

## Midterm Exam Review

1.  $-9 + -23 = \underline{\hspace{2cm}}$

a)  $-39$

b)  $-32$

c)  $-14$

d)  $14$

e)  $32$

2.  $\frac{2}{5} + \frac{5}{7} = \underline{\hspace{2cm}}$

a)  $\frac{2}{7}$

b)  $\frac{5}{9}$

c)  $\frac{7}{12}$

d)  $\frac{39}{35}$

e)  $\frac{39}{12}$

3.  $-28 + 19 = \underline{\hspace{2cm}}$

a)  $-47$

b)  $-9$

c)  $-7$

d)  $7$

e)  $9$

4.  $-26 - 18 = \underline{\hspace{2cm}}$

a)  $-64$

b)  $-32$

c)  $-44$

d)  $-8$

e)  $8$

5.  $\frac{3}{4} - \frac{2}{3} = \underline{\hspace{2cm}}$

a)  $\frac{5}{7}$

b)  $\frac{1}{2}$

c)  $\frac{5}{12}$

d)  $\frac{1}{7}$

e)  $\frac{1}{12}$

6.  $-32 - (-32) = \underline{\hspace{2cm}}$

a)  $-64$

b)  $-32$

c)  $0$

d)  $32$

e)  $64$

7.  $-15 \times 6 = \underline{\hspace{2cm}}$

a)  $-90$

b)  $-21$

c)  $-9$

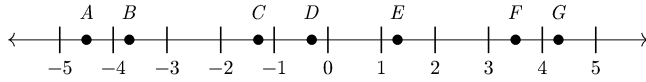
d)  $-\frac{5}{3}$

e)  $90$

8. What is the result when the sum of 3 and  $-9$  is subtracted from the product of  $-2$  and  $5$ ?

- a)  $-16$                       b)  $-4$                       c)  $4$                       d)  $16$                       e)  $20$

9. The distance between point  $F$  and point  $A$  is about \_\_\_\_.



- a)  $-8$                       b)  $-7$                       c)  $7$                       d)  $8$                       e)  $9$

10. The number at point  $A$  could be \_\_\_\_.

- a)  $-5.4$                       b)  $-4.5$                       c)  $-4.1$                       d)  $-4\frac{9}{10}$                       e)  $4.5$

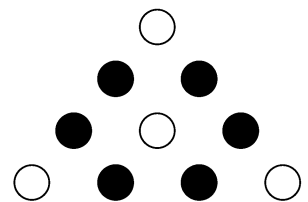
11. List the following fractions in order from *least* to *greatest*:

$$\frac{5}{7}, \frac{8}{10}, \frac{3}{4}$$

- a)  $\frac{3}{4}, \frac{8}{10}, \frac{5}{7}$                       b)  $\frac{5}{7}, \frac{3}{4}, \frac{8}{10}$                       c)  $\frac{5}{7}, \frac{8}{10}, \frac{3}{4}$                       d)  $\frac{8}{10}, \frac{3}{4}, \frac{5}{7}$                       e)  $\frac{3}{4}, \frac{5}{7}, \frac{8}{10}$

12. What fraction of the marbles are black?

- a)  $\frac{4}{5}$                       b)  $\frac{2}{3}$                       c)  $\frac{3}{5}$                       d)  $\frac{4}{9}$                       e)  $\frac{1}{3}$



13.  $-5 \times (-6 + -9) = \underline{\hspace{2cm}}$

- a)  $-75$                       b)  $-39$                       c)  $21$                       d)  $39$                       e)  $75$

14. Evaluate:  $3 \times 6 \div 2 + 6$

- a)  $\frac{4}{9}$                       b)  $\frac{3}{2}$                       c)  $\frac{9}{4}$                       d)  $14$                       e)  $15$

15.  $8 - 2 \times 4^2 + 36 \div 6 = \underline{\hspace{2cm}}$ .

- a)  $-52$                       b)  $-18$                       c)  $14.67$                       d)  $54$                       e)  $100$

16. Rob delivered  $\frac{1}{5}$  of his flyers in the morning and  $\frac{1}{3}$  of them in the afternoon. What fraction did he have left to deliver?

- a)  $\frac{1}{8}$                       b)  $\frac{7}{15}$                       c)  $\frac{8}{15}$                       d)  $\frac{3}{4}$                       e)  $\frac{7}{8}$

17. I had \$96, but I spent  $\frac{1}{4}$  of it on dinner. I spent  $\frac{1}{9}$  of the rest on a movie, and  $\frac{1}{4}$  of what was left on a gift. I spent  $\frac{1}{6}$  of what remained on a taxi home. How much money was left?

18. Which proportions are true?

I.  $\frac{28}{35} = \frac{12}{15}$

II.  $\frac{3}{16} = \frac{2}{15}$

III.  $\frac{14}{16} = \frac{42}{48}$

- a) I and II                      b) I and III                      c) II and III                      d) I only                      e) none are true

19. Solve for  $x$ :  $\frac{x}{24} = \frac{6}{9}$
- a)  $\frac{16}{3}$                       b) 12                      c) 16                      d) 18                      e) 36
20. 5 out of 12 students surveyed enjoyed playing volleyball. If 492 students are surveyed, how many would you expect to say they enjoy playing volleyball?
- a) 98                      b) 186                      c) 205                      d) 224                      e) 287
21. Wendy's class and Peter's class have the same ratio of boys to girls. Wendy's class has 18 boys and 12 girls. If Peter's class has 15 boys, then how many girls does it have?
- a) 6                      b) 7                      c) 9                      d) 10                      e) 15
22. A recipe calls for 250 mL of sugar, 500 mL of oatmeal, and 750 mL of flour. What is the lowest-terms equivalent ratio?
- a) 1 : 2 : 3                      b) 1 : 2 : 5                      c) 1 : 3 : 2                      d) 2 : 1 : 3                      e) 2 : 3 : 5
23. Tim bought 3.5 kg of apples for \$5.25. How much does 1 kg of apples cost?
- a) \$0.15                      b) \$0.50                      c) \$0.67                      d) \$1.05                      e) \$1.50
24. Al made \$31.25 babysitting for 5 hours last week. What was Al's hourly wage?
- a) \$5.00                      b) \$5.65                      c) \$6.00                      d) \$6.25                      e) \$8.15
25. If 31 liters of gas cost \$15.47, then how much does 1 liter cost?
- a)  $\approx 20.0\phi$                       b)  $\approx 32.9\phi$                       c)  $\approx 47.9\phi$                       d)  $\approx 49.9\phi$                       e)  $\approx 54.7\phi$

26. Which is the better buy and by how much?

(A) 200 copies for \$14.00

(B) 300 copies for \$27.00

- a) A by 0.2¢/copy    b) B by 0.2¢/copy    c) A by 2¢/copy    d) B by 2¢/copy    e) A by 20¢/copy

27. Evaluate:  $9^2$

- a) 3                      b) 18                      c) 27                      d) 36                      e) 81

28. Evaluate:  $5^3$

- a) 15                      b) 45                      c) 125                      d) 243                      e) 375

29. Evaluate:  $2^5$

- a) 10                      b) 16                      c) 25                      d) 32                      e) 64

30. Evaluate:  $(-3)^2$

- a) -9                      b) -6                      c) 6                      d) 9                      e) 18

31. Evaluate:  $-6^2$

- a) -48                      b) -36                      c)  $-\frac{1}{36}$                       d)  $\frac{1}{36}$                       e) 36

32. Simplify:  $4^5 \times 4^6$

- a)  $4^{11}$                       b)  $8^{11}$                       c)  $16^{11}$                       d)  $4^{30}$                       e)  $16^{30}$

33. Simplify:  $2^5 \times 2^6 \times 2^2$

- a)  $2^1$                       b)  $2^{13}$                       c)  $8^{13}$                       d)  $2^{60}$                       e)  $6^{60}$

34. Simplify:  $\frac{6^{20}}{6^5}$

- a)  $1^4$                       b)  $1^{15}$                       c)  $6^4$                       d)  $6^{15}$                       e)  $6^{25}$

35. Simplify:  $(7^3)^4$

- a)  $21^4$                       b)  $7^7$                       c)  $7^{12}$                       d)  $21^{12}$                       e)  $7^{81}$

36. The two legs of a right triangle are 3.5 cm and 12 cm. What is the length of the hypotenuse?

- a) 11.5 cm                      b) 12.5 cm                      c) 13.5 cm                      d) 14.5 cm                      e) 15.5 cm

37. The hypotenuse of a right triangle is 27.5 cm. If one leg is 22 cm, how long is the other leg?

- a) 5.5 cm                      b) 16.5 cm                      c) 15.5 cm                      d) 17.5 cm                      e) 35.2 cm

38. To 1 decimal place, what is the perimeter of a square whose area is  $297 \text{ cm}^2$ ?

- a) 34.5 cm                      b) 65.3 cm                      c) 68.9 cm                      d) 74.3 cm                      e) 87.1 cm

39.  $\sqrt{16} =$

- a) 2                      b) 4, -4                      c) 4                      d) 8                      e) 256

40. Evaluate:  $\sqrt{16} + \sqrt{49}$

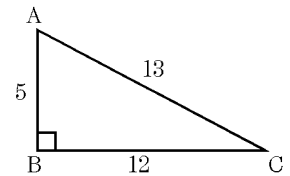
- a)  $\sqrt{11}$                       b)  $\sqrt{65}$                       c) 11                      d) 16                      e) 32.5

41. Evaluate:  $\sqrt{25} + \sqrt{36}$

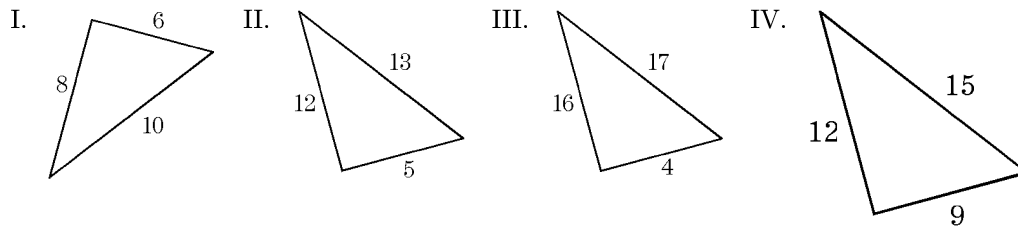
- a)  $\sqrt{11}$                       b)  $\sqrt{61}$                       c) 8.7                      d) 11                      e) 30.5

42. What is the length of the hypotenuse in  $\triangle ABC$ ?

- a) 5                      b) 7                      c) 12                      d) 13                      e) 24



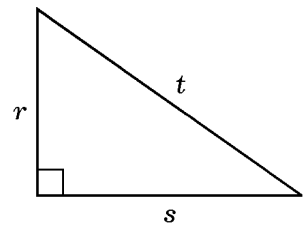
43. Determine which of the following triangles are right triangles.



- a) I only                      b) II only                      c) III only                      d) I and IV only                      e) I, II and IV

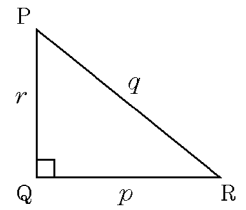
44. For this triangle, which statement demonstrates the Pythagorean Property?

- a)  $r^2 + t^2 = s^2$                       b)  $s^2 + t^2 = r^2$                       c)  $r^2 + s^2 = t^2$   
d)  $s = r + 0$                       e)  $s = r + t$



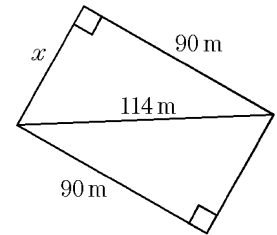
45. In the figure,  $r = 16$  and  $p = 30$ . What is the length of the hypotenuse of  $\triangle PQR$ ?

- a) 26                      b) 32                      c) 34                      d) 46                      e) 50



46. Find the value of  $x$  to the nearest metre.

- a) 46 m                      b) 50 m                      c) 64 m                      d) 70 m                      e) 92 m



47. Express 14% as a decimal.

- a)  $\frac{0.14}{100}$                       b) 0.0014                      c) 0.014                      d) 0.14                      e) 1.4

48. Express 8.3% as a decimal.

- a)  $\frac{0.83}{100}$                       b) 0.0083                      c) 0.083                      d) 0.83                      e) 8.3

49. Express 560% as a decimal.

- a)  $\frac{0.56}{100}$                       b) 0.0056                      c) 0.56                      d) 5.6                      e) 560.0

50. Express  $5\frac{1}{4}\%$  as a decimal.

- a) 0.0514                      b) 0.0525                      c) 0.525                      d) 5.14                      e) 5.25



51. Express 45% as a fraction in *lowest terms*.

- a)  $\frac{9}{2000}$       b)  $\frac{0.9}{20}$       c)  $\frac{9}{200}$       d)  $\frac{9}{20}$       e)  $\frac{45}{100}$

52. Express 4.5% as a fraction in *lowest terms*.

- a)  $\frac{9}{2000}$       b)  $\frac{0.9}{20}$       c)  $\frac{9}{200}$       d)  $\frac{9}{20}$       e)  $\frac{45}{100}$

53. Express 17 as a percent.

- a) 0.17%      b) 1.7%      c) 17%      d) 170%      e) 1700%

54. Express 6.4 as a percent.

- a) 0.64%      b) 6.4%      c) 64%      d) 640%      e) 6400%

55. Express 0.79 as a percent.

- a) 0.079%      b) 0.79%      c) 7.9%      d) 79%      e) 790%

56. Express 0.0081 as a percent.

- a) 0.081%      b) 0.81%      c) 8.1%      d) 81%      e) 810%

57. What percent is 72 out of 120?

- a)  $\frac{3}{5}$       b) 0.6      c) 28      d) 60      e) 72

58. To 1 decimal place, what percent is 23 out of 71?

- a) 3.24      b) 28.3      c) 32.4      d) 33.9      e) 36.7

59. To 1 decimal place, what percent is 172 out of 75?
- a) 2.2                      b) 22.9                      c) 43.6                      d) 229.3                      e) 241.0
60. What is 7% of 256?
- a) 1.792                      b) 2.733                      c) 12.34                      d) 17.92                      e) 36.57
61. What is 128% of 256?
- a) 32.768                      b) 50                      c) 200                      d) 327.68                      e) 3276.8
62. What is 27.5% of 54?
- a) 1.485                      b) 14.85                      c) 19.64                      d) 26.50                      e) 50.93
63. 84 is 24% of what number?
- a) 20.16                      b) 35                      c) 285.7                      d) 336                      e) 350
64. 5.7 is 3.8% of what number?
- a) 1.5                      b) 2.166                      c) 15                      d) 21.66                      e) 150
65. What is 30% of 60% of 450?
- a) 0.81                      b) 22.5                      c) 81                      d) 162                      e) 225

66. Complete the table.

<i>fraction</i>	<i>decimal</i>	<i>percent</i>
$\frac{4}{5}$		
	0.85	
		76%

67. On a particular day 4% of the students were absent. If there are 1 750 students at the school then how many were absent that day?
- a) 7                      b) 35                      c) 70                      d) 140                      e) 700
68. In a shipment of batteries 4% were found to be defective. If the shipment had 2 850 batteries then how many were *not* defective?
- a) 114                      b) 1 140                      c) 1 710                      d) 2 736                      e) 2 846
69. A mountain bike costs the dealer \$485. If he wants to make a 20% profit, for what price should he sell the bike?
- a) \$97.00                      b) \$388.00                      c) \$505.30                      d) \$582.00                      e) \$592.00
70. A retailer buys a coat for \$120. She sells it for \$162. What percent did she mark up the coat before she sold it?
- a) 35%                      b) 42%                      c) 74%                      d) 135%                      e) 142%
71. A necklace that normally sells for \$770 is on sale for 25% off. What is the sale price?
- a) \$192.50                      b) \$250.00                      c) \$577.50                      d) \$750.75                      e) \$962.50

72. A suit costs \$420 before tax. If the taxes amount to 14%, what is the total price paid for the suit?
- a) \$58.80                      b) \$406.00                      c) \$434.00                      d) \$468.80                      e) \$478.80

73. Complete the table.

(Selling) Marked Price	\$600.00	\$960.00		
Discount (\$)		\$120.00	\$23.65	\$52.83
Rate of Discount (%)	16%			30%
Sale Price			\$94.60	

74. What is the simple interest on \$875 if the money is invested at 8% for 3 years?

- a) \$21                      b) \$105                      c) \$210                      d) \$896                      e) \$1085

75. How much money did Miranda invest for 5 years at  $8\frac{1}{2}\%$  simple interest if the interest earned was \$306?

- a) \$130.05                      b) \$360                      c) \$720                      d) \$740                      e) \$1026

76. Name the numerator and the denominator for the mixed number  $3\frac{11}{16}$ .

- a) num 11; denom 16                      b) num 11; denom 3                      c) num 16; denom 11  
d) num 3; denom 16                      e) num 16; denom 3

77. Reduce the fraction  $\frac{24}{72}$  to lowest terms.

- a)  $\frac{1}{6}$                       b)  $\frac{1}{3}$                       c)  $\frac{1}{2}$                       d)  $\frac{2}{3}$                       e)  $\frac{3}{4}$

78. Write the fraction  $\frac{40}{25}$  as a mixed number in lowest terms.

- a)  $\frac{4}{5}$                       b)  $1\frac{1}{4}$                       c)  $1\frac{2}{5}$                       d)  $1\frac{3}{5}$                       e)  $2\frac{1}{5}$

79. Write the mixed number  $5\frac{3}{7}$  as a common fraction.

- a)  $\frac{35}{7}$                       b)  $\frac{38}{7}$                       c)  $\frac{39}{7}$                       d)  $\frac{38}{5}$                       e)  $\frac{39}{5}$

80. Which of the following fractions is equivalent to  $\frac{5}{8}$ ?

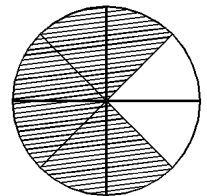
- a)  $\frac{10}{32}$                       b)  $\frac{14}{32}$                       c)  $\frac{20}{32}$                       d)  $\frac{25}{32}$                       e)  $\frac{30}{32}$

81.  $\frac{7}{10}$  is the same as \_\_\_\_\_.

- a)  $\frac{28}{40}$                       b)  $\frac{16}{20}$                       c)  $\frac{32}{40}$                       d)  $\frac{18}{20}$                       e)  $\frac{38}{40}$

82. What reduced fraction is represented by the shaded portion of the given figure?

- a)  $\frac{1}{3}$                       b)  $\frac{2}{8}$                       c)  $\frac{1}{2}$                       d)  $\frac{3}{4}$                       e)  $\frac{7}{8}$



83. Simplify:  $\frac{4}{9} + \frac{7}{9}$

- a)  $\frac{1}{9}$                       b)  $\frac{2}{9}$                       c)  $\frac{1}{3}$                       d)  $\frac{11}{9}$                       e)  $\frac{13}{9}$

84. What is  $9\frac{2}{7} + 3\frac{4}{7}$ ?

- a)  $12\frac{5}{14}$                       b)  $12\frac{3}{7}$                       c)  $12\frac{1}{2}$                       d)  $12\frac{6}{7}$                       e)  $12\frac{13}{14}$

85. Simplify:  $\frac{1}{6} + \frac{5}{8}$

a)  $\frac{3}{7}$

b)  $\frac{19}{24}$

c)  $\frac{23}{24}$

d)  $1\frac{1}{24}$

e)  $1\frac{3}{7}$

86.  $\frac{5}{12} + \frac{5}{6} + \frac{3}{8} =$  \_\_\_\_\_

a)  $\frac{1}{2}$

b)  $1\frac{5}{8}$

c)  $1\frac{2}{3}$

d)  $1\frac{3}{4}$

e)  $2\frac{1}{2}$

87. Simplify:  $3\frac{3}{8} + 1\frac{5}{16}$

a)  $4\frac{1}{3}$

b)  $4\frac{11}{16}$

c)  $4\frac{13}{16}$

d)  $5\frac{1}{8}$

e)  $5\frac{1}{2}$

88.  $\frac{7}{8} - \frac{5}{8} =$  \_\_\_\_\_

a)  $\frac{1}{8}$

b)  $\frac{1}{4}$

c)  $\frac{3}{8}$

d)  $\frac{5}{8}$

e)  $\frac{3}{4}$

89. Simplify:  $\frac{13}{9} - \frac{2}{9}$

a)  $\frac{1}{9}$

b)  $\frac{11}{9}$

c)  $\frac{23}{18}$

d)  $1\frac{1}{9}$

e) 11

90. What is  $5\frac{1}{5} - 2\frac{4}{5}$ ?

a)  $2\frac{2}{5}$

b)  $2\frac{3}{5}$

c)  $3\frac{1}{5}$

d)  $3\frac{3}{10}$

e)  $3\frac{1}{2}$

91. Simplify:  $\frac{5}{8} - \frac{2}{5}$

a)  $\frac{9}{40}$

b)  $\frac{1}{4}$

c)  $\frac{3}{8}$

d)  $\frac{17}{40}$

e)  $\frac{4}{5}$

92. Find the difference  $\frac{5}{6} - \frac{3}{10}$ .

a)  $\frac{2}{15}$

b)  $\frac{1}{3}$

c)  $\frac{1}{2}$

d)  $\frac{8}{15}$

e)  $\frac{3}{5}$

93. What is  $9\frac{3}{5} - 5\frac{3}{4}$ ?

a)  $3\frac{7}{20}$

b)  $3\frac{17}{20}$

c)  $4\frac{11}{20}$

d)  $4\frac{17}{20}$

e)  $4\frac{19}{20}$

94. What is  $\frac{4}{15} \times \frac{10}{12}$ ?

a)  $\frac{1}{9}$

b)  $\frac{2}{9}$

c)  $\frac{2}{3}$

d)  $\frac{3}{4}$

e)  $\frac{7}{8}$

95. What is  $\frac{13}{16} \times \frac{12}{39}$ ?

a)  $\frac{1}{13}$

b)  $\frac{1}{12}$

c)  $\frac{1}{4}$

d)  $\frac{1}{2}$

e)  $\frac{1}{3}$

96. Simplify:  $3 \cdot \frac{4}{15}$

a)  $\frac{4}{45}$

b)  $\frac{4}{5}$

c)  $\frac{14}{15}$

d) 2

e)  $3\frac{4}{5}$

97. Simplify:  $4\frac{1}{2} \times 3\frac{1}{3}$

a)  $12\frac{1}{6}$

b) 15

c)  $15\frac{1}{3}$

d)  $15\frac{2}{3}$

e) 16

98. What is  $\frac{7}{9} \cdot \frac{3}{4} \cdot \frac{8}{11}$ ?

a)  $\frac{14}{33}$

b)  $\frac{5}{11}$

c) 1

d)  $1\frac{14}{33}$

e)  $1\frac{3}{11}$

99. Simplify:  $\frac{1}{6} \div \frac{1}{3}$

- a)  $\frac{1}{18}$                       b)  $\frac{1}{9}$                       c)  $\frac{1}{2}$                       d)  $\frac{2}{3}$                       e) 1

100.  $\frac{5}{6} \div \frac{7}{9} =$  \_\_\_\_\_

- a)  $\frac{1}{14}$                       b)  $\frac{2}{7}$                       c)  $1\frac{1}{14}$                       d)  $2\frac{3}{14}$                       e) 5

101. What is  $8 \div \frac{4}{5}$ ?

- a)  $6\frac{2}{5}$                       b) 10                      c)  $12\frac{2}{5}$                       d) 14                      e)  $16\frac{3}{5}$

102. Simplify:  $2\frac{5}{8} \div 9$

- a)  $\frac{1}{4}$                       b)  $\frac{7}{24}$                       c)  $1\frac{1}{12}$                       d)  $1\frac{7}{24}$                       e)  $2\frac{1}{3}$

103. Simplify:  $2\frac{2}{5} \div 3\frac{3}{7}$

- a)  $\frac{1}{20}$                       b)  $\frac{3}{10}$                       c)  $\frac{1}{2}$                       d)  $\frac{11}{20}$                       e)  $\frac{7}{10}$

104. Write the decimal 23.8 in words.

- a) twenty-three and eight tenths                      b) two hundred thirty-eight hundredths  
c) twenty-three and eight ones                      d) twenty-three point eight tenths  
e) twenty-three and eight

105. What decimal is represented by the phrase “eight and nine hundred eleven thousandths”?

- a) 8.019                      b) 8.091                      c) 8.901                      d) 8.91                      e) 8.911



106. What is the place value for the digit 9 in the decimal 7.8019?

- a) ten-thousandths    b) thousandths    c) hundredths    d) tenths    e) units

107. What is the place value for the digit 9 in the decimal 16.901?

- a) ten-thousandths    b) thousandths    c) hundredths    d) tenths    e) units

108. Simplify:  $2.45 + 3.209 + 7.4$

- a) 3.528    b) 13.059    c) 13.59    d) 14    e) 35.28

109.  $36.3 - 18.08 =$  \_\_\_\_\_

- a) 18.12    b) 18.22    c) 19.22    d) 19.32    e) 19.52

110. Simplify:  $5.12 \times 6.4$

- a) 23.988    b) 27.218    c) 30.218    d) 32.768    e) 39.728

111. What is  $263.5 \div 25$ ?

- a) 1.054    b) 1.54    c) 10.504    d) 10.54    e) 1540

112. Simplify:  $4.2 \overline{)26.88}$

- a) 0.64    b) 6.04    c) 6.4    d) 60.04    e) 64

113. Emily bought two-fifths of a ton of hay and three-fourths of a ton of oats to feed her animals. How many tons of feed did Emily purchase?

- a)  $\frac{5}{9}$  ton                      b) 1 ton                      c)  $1\frac{1}{10}$  tons                      d)  $1\frac{1}{5}$  tons                      e)  $1\frac{3}{20}$  tons

114. Mrs. Mendoza bought  $10\frac{1}{3}$  pounds of ground beef. She used  $6\frac{1}{2}$  pounds to make hamburgers. How much ground beef did she have left?

- a)  $2\frac{3}{4}$  pounds                      b)  $2\frac{7}{8}$  pounds                      c)  $3\frac{1}{6}$  pounds                      d)  $3\frac{2}{3}$  pounds                      e)  $3\frac{5}{6}$  pounds

115. Find the number of  $2\frac{1}{2}$  foot long shelves that can be cut from a piece of wood that is 20 feet long.

- a) 8 shelves                      b) 9 shelves                      c) 10 shelves                      d) 11 shelves                      e) 12 shelves

116. With the current weather conditions, a sailboat can sail  $5\frac{1}{2}$  miles in an hour. How far can the sailboat sail in  $\frac{2}{3}$  hour?

- a)  $2\frac{1}{6}$  miles                      b)  $2\frac{1}{3}$  miles                      c)  $2\frac{5}{6}$  miles                      d)  $3\frac{1}{2}$  miles                      e)  $3\frac{2}{3}$  miles

117. Rearrange the following integers from greatest to least:  $-9, -18, 3, 15, -2$ .

- a) 15, 3,  $-2, -9, -18$                       b) 15, 3,  $-18, -9, -2$                       c)  $-18, 15, -9, 3, -2$   
d) 3, 15,  $-18, -9, -2$                       e) 15,  $-18, -9, 3, -2$

118. Simplify:  $\frac{1}{2} \times \frac{1}{3} + \frac{1}{4} \div \frac{1}{5}$

119. Compute:  $(\frac{3}{4} \cdot \frac{5}{6}) \div \frac{5}{8}$ .

120. Simplify:  $-6 \cdot (10 - 3^2)$

121. Simplify:  $-3 \cdot (5 - 8 \cdot 4) + 4$

122. Simplify:  $(-4 \times 7) \div -2 + 6$

123. Simplify:  $3 + 6^2 - 3 \times 4 \div 2$

124. Round to the nearest thousandth: 36.268492

125. Round 321.549 to the nearest tenth.

Midterm Exam Review      18/01/2011

1.  
Answer:            b  
CodePath:        EAS.CM2.B.A.2

2.  
Answer:            d  
CodePath:        EAS.CM2.B.A.10

3.  
Answer:            b  
CodePath:        EAS.CM2.B.A.21

4.  
Answer:            c  
CodePath:        EAS.CM2.B.A.36

5.  
Answer:            e  
CodePath:        EAS.CM2.B.A.43

6.  
Answer:            c  
CodePath:        EAS.CM2.B.A.53

7.  
Answer:            a  
CodePath:        EAS.CM2.B.A.83

8.  
Answer:            b  
CodePath:        EAS.CM2.B.A.109

9.  
Answer:            d  
CodePath:        EAS.CM2.B.B.5

10.  
Answer:            b  
CodePath:        EAS.CM2.B.B.1

11.  
Answer:            b  
CodePath:        EAS.CM2.B.B.11

12.  
Answer:            c  
CodePath:        EAS.CM2.B.B.13

13.  
Answer:            e  
CodePath:        EAS.CM2.B.B.32

14.  
Answer:            e  
CodePath:        EAS.CM2.B.B.45

15.  
Answer:            b  
CodePath:        EAS.CM2.B.B.56

16.  
Answer:            b  
CodePath:        EAS.CM2.B.B.101

17.  
Answer:            \$40  
CodePath:        EAS.CM2.B.B.123

18.  
Answer:            b  
CodePath:        EAS.CM2.B.E.1

19.  
Answer:            c  
CodePath:        EAS.CM2.B.E.7

20.  
Answer:            c  
CodePath:        EAS.CM2.B.E.13

21.  
Answer:            d  
CodePath:        EAS.CM2.B.E.19

22.  
Answer:            a  
CodePath:        EAS.CM2.B.E.33

23.  
Answer:            e  
CodePath:        EAS.CM2.B.E.53

24.  
Answer:            d  
CodePath:        EAS.CM2.B.E.55

25.  
Answer:            d  
CodePath:        EAS.CM2.B.E.58

26.  
Answer:            c  
CodePath:        EAS.CM2.B.E.60

27.  
Answer:            e  
CodePath:        EAS.CM2.A.A.5

28.  
Answer: c  
CodePath: EAS.CM2.A.A.7

29.  
Answer: d  
CodePath: EAS.CM2.A.A.8

30.  
Answer: d  
CodePath: EAS.CM2.A.A.9

31.  
Answer: b  
CodePath: EAS.CM2.A.A.12

32.  
Answer: a  
CodePath: EAS.CM2.A.A.55

33.  
Answer: b  
CodePath: EAS.CM2.A.A.57

34.  
Answer: d  
CodePath: EAS.CM2.A.A.60

35.  
Answer: c  
CodePath: EAS.CM2.A.A.61

36.  
Answer: b  
CodePath: EAS.CM2.A.E.31

37.  
Answer: b  
CodePath: EAS.CM2.A.E.33

38.  
Answer: c  
CodePath: EAS.CM2.A.E.36

39.  
Answer: c  
CodePath: EAS.CM2.C.A.1

40.  
Answer: c  
CodePath: EAS.CM2.C.A.6

41.  
Answer: d  
CodePath: EAS.CM2.C.A.5

42.  
Answer: d  
CodePath: EAS.CM2.I.A.4

43.  
Answer: e  
CodePath: EAS.CM2.I.A.6

44.  
Answer: c  
CodePath: EAS.CM2.I.A.9

45.  
Answer: c  
CodePath: EAS.CM2.I.A.11

46.  
Answer: d  
CodePath: EAS.CM2.I.A.53

47.  
Answer: d  
CodePath: EAS.CM2.B.F.1

48.  
Answer: c  
CodePath: EAS.CM2.B.F.3

49.  
Answer: d  
CodePath: EAS.CM2.B.F.7

50.  
Answer: b  
CodePath: EAS.CM2.B.F.11

51.  
Answer: d  
CodePath: EAS.CM2.B.F.13

52.  
Answer: c  
CodePath: EAS.CM2.B.F.15

53.  
Answer: e  
CodePath: EAS.CM2.B.F.17

54.  
Answer: d  
CodePath: EAS.CM2.B.F.19

55.  
Answer: d  
CodePath: EAS.CM2.B.F.22

56.  
Answer: b  
CodePath: EAS.CM2.B.F.26

57.  
Answer: d  
CodePath: EAS.CM2.B.F.28

58.  
Answer: c  
CodePath: EAS.CM2.B.F.32

59.  
Answer: d  
CodePath: EAS.CM2.B.F.33

60.  
Answer: d  
CodePath: EAS.CM2.B.F.35

61.  
Answer: d  
CodePath: EAS.CM2.B.F.39

62.  
Answer: b  
CodePath: EAS.CM2.B.F.42

63.  
Answer: e  
CodePath: EAS.CM2.B.F.45

64.  
Answer: e  
CodePath: EAS.CM2.B.F.47

65.  
Answer: c  
CodePath: EAS.CM2.B.F.49

66.  
Answer: (top to bottom) 0.8, 80%;  $\frac{17}{20}$ , 85%;  
 $\frac{19}{25}$ , 0.76  
CodePath: EAS.CM2.B.F.54

67.  
Answer: c  
CodePath: EAS.CM2.B.G.5

68.  
Answer: d  
CodePath: EAS.CM2.B.G.8

69.  
Answer: d  
CodePath: EAS.CM2.B.G.17

70.  
Answer: a  
CodePath: EAS.CM2.B.G.19

71.  
Answer: c  
CodePath: EAS.CM2.B.G.23

72.  
Answer: e  
CodePath: EAS.CM2.B.G.29

73.  
Answer: Columns: \$96, \$504, 12.5%, \$840,  
\$118.25, 20%, \$176.10, \$123.27  
CodePath: EAS.CM2.B.G.63

74.  
Answer: c  
CodePath: EAS.CM2.B.H.3

75.  
Answer: c  
CodePath: EAS.CM2.B.H.16

76.  
Answer: a  
CodePath: EAS.MMA.B.F.3

77.  
Answer: b  
CodePath: EAS.MMA.B.F.7

78.  
Answer: d  
CodePath: EAS.MMA.B.F.9

79.  
Answer: b  
CodePath: EAS.MMA.B.F.11

80.  
Answer: c  
CodePath: EAS.MMA.B.F.14

81.  
Answer: a  
CodePath: EAS.MMA.B.F.16

82.  
Answer: d  
CodePath: EAS.MMA.B.F.23

83.  
Answer: d  
CodePath: EAS.MMA.B.J.6

84.  
Answer: d  
CodePath: EAS.MMA.B.J.15

85.  
Answer: b  
CodePath: EAS.MMA.B.J.26

86.  
Answer: b  
CodePath: EAS.MMA.B.J.35

87.  
Answer: b  
CodePath: EAS.MMA.B.J.37

88.  
Answer: b  
CodePath: EAS.MMA.B.J.44

89.  
 Answer: b  
 CodePath: EAS.MMA.B.J.45

90.  
 Answer: a  
 CodePath: EAS.MMA.B.J.54

91.  
 Answer: a  
 CodePath: EAS.MMA.B.J.62

92.  
 Answer: d  
 CodePath: EAS.MMA.B.J.64

93.  
 Answer: b  
 CodePath: EAS.MMA.B.J.67

94.  
 Answer: b  
 CodePath: EAS.MMA.B.I.3

95.  
 Answer: c  
 CodePath: EAS.MMA.B.I.4

96.  
 Answer: b  
 CodePath: EAS.MMA.B.I.7

97.  
 Answer: b  
 CodePath: EAS.MMA.B.I.13

98.  
 Answer: a  
 CodePath: EAS.MMA.B.I.16

99.  
 Answer: c  
 CodePath: EAS.MMA.B.I.20

100.  
 Answer: c  
 CodePath: EAS.MMA.B.I.23

101.  
 Answer: b  
 CodePath: EAS.MMA.B.I.26

102.  
 Answer: b  
 CodePath: EAS.MMA.B.I.34

103.  
 Answer: e  
 CodePath: EAS.MMA.B.I.38

104.  
 Answer: a  
 CodePath: EAS.MMA.B.A.1

105.  
 Answer: e  
 CodePath: EAS.MMA.B.A.9

106.  
 Answer: a  
 CodePath: EAS.MMA.B.A.11

107.  
 Answer: d  
 CodePath: EAS.MMA.B.A.16

108.  
 Answer: b  
 CodePath: EAS.MMA.B.B.28

109.  
 Answer: b  
 CodePath: EAS.MMA.B.B.53

110.  
 Answer: d  
 CodePath: EAS.MMA.B.C.25

111.  
 Answer: d  
 CodePath: EAS.MMA.B.C.52

112.  
 Answer: c  
 CodePath: EAS.MMA.B.C.60

113.  
 Answer: e  
 CodePath: EAS.MMA.B.K.1

114.  
 Answer: e  
 CodePath: EAS.MMA.B.K.9

115.  
 Answer: a  
 CodePath: EAS.MMA.B.K.19

116.  
 Answer: e  
 CodePath: EAS.MMA.B.K.18

117.  
 Answer: a  
 CodePath: EAS.MMA.A.E.14

118.  
 Answer:  $\frac{17}{12}$   
 CodePath: EAS.MCH.A.A.7

119.  
 Answer: 1  
 CodePath: EAS.MCH.A.A.114

120.  
Answer: -6  
CodePath: EAS.MCH.A.G.5
121.  
Answer: 85  
CodePath: EAS.MCH.A.G.3
122.  
Answer: 20  
CodePath: EAS.MCH.A.G.26
123.  
Answer: 33  
CodePath: EAS.MCH.A.G.64
124.  
Answer: 36.268  
CodePath: EAS.MCH.A.E.29
125.  
Answer: 321.5  
CodePath: EAS.MCH.A.E.30