

## Review for Test #1

\_\_\_ 1. Place the correct symbol, < or >, between the two numbers.

$$0 \text{ ___ } -2$$

A)  $0 < -2$    B)  $0 > -2$

\_\_\_ 2. Place the correct symbol, < or >, between the two numbers.

$$-14 \text{ ___ } -26$$

A)  $-14 < -26$    B)  $-14 > -26$

\_\_\_ 3. Given  $E = \{-20, -5, 5, 13\}$ , which elements of set E are greater than  $-8$ ?

A)  $-20$    B)  $-5, 5, 13$    C)  $-20, -5$    D)  $5, 13$    E)  $13$

\_\_\_ 4. Given that set D is the negative integers greater than or equal to  $-10$ , which elements of set D are less than  $-2$ ?

A)  $-10, -9, -8, -7, -6, -5, -4, -3, -2$

B)  $-9, -8, -7, -6, -5, -4, -3$

C)  $-9, -8, -7, -6, -5, -4, -3, -2$

D)  $-10, -9, -8, -7, -6, -5, -4, -3$

E)  $-1$

\_\_\_ 5. Evaluate:  $-(-76)$ .

A)  $76$    B)  $-76$    C)  $-75$    D)  $77$    E)  $75$

\_\_\_ 6. Place the correct symbol, < or >, between the two numbers.

$$|94| \text{ ___ } |-47|$$

A)  $|94| < |-47|$    B)  $|94| > |-47|$

\_\_\_ 7. Add:  $-1 + (-18)$ .

A)  $-17$    B)  $-19$    C)  $17$    D)  $19$    E)  $10$

\_\_\_ 8. Add:  $-366 + (-17) + 734 + 838$

A)  $189$    B)  $1189$    C)  $1289$    D)  $1199$    E)  $1179$

\_\_\_ 9. Subtract:  $6 - (-17)$ .

A)  $-10$    B)  $-11$    C)  $11$    D)  $23$    E)  $-23$

\_\_\_ 10. Subtract:  $-3 - (-17)$ .

- A) -20 B) 16 C) 15 D) 14 E) 9

\_\_\_ 11. Subtract:  $-12 - (-25) - 8 - 4$ .

- A) 1 B) 49 C) -13 D) 4 E) -26

\_\_\_ 12. Multiply:  $(-9)(-23)$ .

- A) -32 B) -14 C) 14 D) -207 E) 207

\_\_\_ 13. Multiply:  $3(4)(-2)(-6)$ .

- A) -12 B) 16 C) -30 D) 0 E) 144

\_\_\_ 14. Multiply:  $-6 \cdot (22)$ .

- A) 16 B) -28 C) 28 D) 132 E) -132

\_\_\_ 15. Divide:  $21 \div (-3)$

- A) -10 B) -8 C) -7 D) 1 E) 0

\_\_\_ 16. Divide:  $4 \div 0$ .

- A) -4 B)  $\frac{1}{4}$  C)  $-\frac{1}{4}$  D) 0 E) Undefined

\_\_\_ 17. Divide:  $-221 \div 17$ .

- A)  $-\frac{1}{13}$  B) 13 C) -12 D)  $\frac{1}{13}$  E) -13

\_\_\_ 18. Find the temperature after a rise of  $4^{\circ}\text{C}$  from  $-6^{\circ}\text{C}$ .

- A)  $-2^{\circ}\text{C}$  B)  $-9^{\circ}\text{C}$  C)  $-11^{\circ}\text{C}$  D)  $10^{\circ}\text{C}$  E)  $-10^{\circ}\text{C}$

\_\_\_ 19. Simplify the following expression:  $\left(\frac{3}{5}\right)\left(-\frac{5}{6}\right)\left(-\frac{9}{13}\right)$ .

- A)  $-\frac{9}{26}$  B)  $\frac{9}{19}$  C)  $\frac{9}{28}$  D)  $\frac{9}{26}$  E)  $-\frac{9}{28}$

\_\_\_ 20. Simplify.

$$-\frac{9}{10} \div \left(-\frac{1}{2}\right)$$

- A)  $\frac{5}{9}$  B)  $\frac{9}{5}$  C)  $\frac{9}{20}$  D)  $-\frac{5}{9}$  E) 45

\_\_\_ 21. Simplify:  $(-0.74)(-0.44)$ .

- A) -1.18 B) 0.3256 C) 0.3 D) 3.256 E) 32.56

\_\_\_ 22. Subtract:  $\frac{5}{11} - \frac{3}{11}$ .

- A)  $1\frac{1}{11}$  B)  $1\frac{2}{11}$  C)  $\frac{2}{11}$  D)  $\frac{1}{11}$  E)  $2\frac{2}{11}$

\_\_\_ 23. Simplify.

$$-\frac{3}{13} + \frac{9}{13} - \frac{4}{13}$$

- A)  $\frac{10}{13}$  B)  $\frac{2}{39}$  C)  $\frac{8}{13}$  D)  $\frac{2}{13}$  E)  $\frac{10}{39}$

\_\_\_ 24. Simplify:  $-4.9 + 9.1$ .

- A) -14 B) 4.2 C) 14 D) 3.2 E) -4.2

\_\_\_ 25. Simplify:  $-8.6 + 7.9 - 3.7$ .

- A) 20.2 B) 12.8 C) -20.2 D) 3 E) -4.4

\_\_\_ 26. Write as a decimal.

10%

- A) 0.2 B) 10 C) 0.1 D) 1000 E) 0.01

\_\_\_ 27. Write 0.62% as a decimal.

- A) 0.62 B) 6.2 C) 0.0062 D) 0.062 E) 62

\_\_\_ 28. Write  $\frac{1}{6}$  as a percent. Round to the nearest tenth of a percent, if necessary.

- A) 3 % B) 6 % C) 0.2 % D) 1.7 % E) 16.7 %

\_\_\_ 29. Evaluate:  $3(-2)^5$ .

- A) -96 B) 96 C) -30 D)  $\frac{5}{6}$  E) 30

\_\_\_ 30. Evaluate the following expression using the Order of Operations Agreement.

$$-18^2 + 5[6 \div (17 - 15)]$$

- A) 339 B) -3 C) -309 D) -957 E) -21

\_\_\_ 31. Evaluate the following expression using the Order of Operations Agreement.

$$25(-125) \div [5(8 - 3)^3]$$

- A)  $-\frac{4}{25}$  B) -2500 C) -5 D) -300 E)  $-\frac{100}{13}$

\_\_\_ 32. Evaluate the variable expression when  $a = 4$  and  $b = 7$ .

$$10a - 6b$$

- A) 0 B) -9 C) -4 D) -2 E) 3

\_\_\_ 33. Evaluate the variable expression when  $a = -7$  and  $b = 2$ .

$$7a - 8b$$

- A) -61 B) -71 C) -66 D) -65 E) -60

\_\_\_ 34. Find the volume of a cylinder with a radius of 21 cm and a height of 42 cm. Use 3.14 for  $\pi$ .

- A)  $264 \text{ cm}^3$  B)  $232,848 \text{ cm}^3$  C)  $58,212 \text{ cm}^3$  D)  $8316 \text{ cm}^3$  E)  $5544 \text{ cm}^3$

\_\_\_ 35. Simplify:  $10x + 5x$ .

- A)  $15x$  B)  $50x$  C)  $12x$  D)  $50x^2$  E)  $15x^2$

\_\_\_ 36. Simplify:  $12xy + 2xy$

- A)  $-10xy$  B)  $10xy$  C)  $12xy + 2xy$  D)  $(12xy + 2)xy$  E)  $14xy$

\_\_\_ 37. Simplify:  $7w - 11u + 9w$ .

- A)  $16w + 11u$  B)  $2w - 11u$  C)  $5w + 11u$  D)  $16w - 11u$  E)  $5w - 11u$

\_\_\_ 38. Simplify:  $8x^2 - 10x - 10x^2 + 5x$

- A)  $2x^2 - 10x$  B)  $2x^2 - 5x$  C)  $-2x^2 - 10x$  D)  $-2x^2 - 5x$  E)  $18x^2 - 5x$

\_\_\_ 39. Simplify:  $(4a)(-10)$ .

- A)  $14a$  B)  $40$  C)  $-4a$  D)  $-40a$  E)  $-6a$

\_\_\_ 40. Simplify:  $-\frac{3}{4}(40z)$ .

- A)  $-10z$  B)  $-160z$  C)  $-30z^2$  D)  $-10$  E)  $-30z$

\_\_\_ 41. Simplify:  $11(6c-9)$ .

- A)  $65c+99$  B)  $17c-99$  C)  $65c+2$  D)  $17c+2$  E)  $66c-99$

\_\_\_ 42. Simplify:  $8n+11(n+3)-6$ .

- A)  $19n+33$  B)  $22n+27$  C)  $19n+27$  D)  $22n+33$  E)  $16n-6$

\_\_\_ 43. Simplify:  $12(3y+8)-4(3-y)$ .

- A)  $40y$  B)  $-40y-84$  C)  $40y+84$  D)  $40y-84$  E)  $-40y+84$

\_\_\_ 44. Translate the following into a variable expression.  
y increased by 6.

- A)  $y-6$  B)  $6y$  C)  $y+6$  D)  $\frac{y}{6}$  E)  $6-y$

\_\_\_ 45. Translate into a variable expression.  
the quotient of three less than  $q$  and twice  $q$

- A)  $\frac{3}{q}-2q$  B)  $\frac{3}{q}-\frac{1}{2q}$  C)  $q-\frac{3}{2q}$  D)  $\frac{q-3}{2q}$  E)  $\frac{q-3}{q+2}$

\_\_\_ 46. Translate the following into a variable expression. Then simplify, if necessary.  
A number increased by the total of the number and three

- A)  $p+(p+3); 2(p+3)$  D)  $p(p+3); p^2+3p$   
B)  $p+3$  E)  $p+(p+3); 2p+3$   
C)  $p+(p-3); 2p-3$

\_\_\_ 47. Translate the following into a variable expression. Then simplify, if necessary.  
three more than the sum of a number and three.

A)  $(3-p)+3$ ;  $6-p$

D)  $(3+p)+3$ ;  $p+6$

B)  $(3+3)p$ ;  $6p$

E)  $(p-3)-3$ ;  $p-6$

C)  $3p+3$

\_\_\_ 48. Translate the following into a variable expression. Then simplify, if necessary.  
The sum of the square of a number and twice the number.

A)  $z^2+2z$ ;  $z(z+2)$

D)  $(z+2)^2$ ;  $z^2+4z+4$

B)  $z^2-2z$ ;  $z(z-2)$

E)  $z^2+2z$

C)  $(z+2)^2$ ;  $z^2+4$

\_\_\_ 49. Solve:  $z-3=9$ .

A) -3 B) -12 C) 6 D) 12 E) -6

\_\_\_ 50. Solve:  $x-\frac{4}{5}=-\frac{1}{5}$ .

A)  $\frac{3}{5}$  B)  $\frac{4}{5}$  C)  $\frac{6}{5}$  D) 0 E) 5

\_\_\_ 51. Solve:  $9=3y$ .

A) 6 B) -3 C) 3 D) 27 E) 12

\_\_\_ 52. Solve:  $\frac{4}{5}x=40$ .

A)  $\frac{1}{56}$  B)  $\frac{1}{50}$  C) 56 D) 50 E) 200

\_\_\_ 53. Solve:  $-7=-\frac{3}{7}x$ .

A)  $15\frac{1}{3}$  B)  $16\frac{1}{3}$  C)  $15\frac{1}{6}$  D) 16 E) 17

- \_\_\_ 54. Two cyclists start from the same point at the same time and move in opposite directions. One cyclist is traveling at 4 mph, and the other cyclist is traveling at 5 mph. After 30 min, how many miles apart are the two cyclists?
- A) 4.5 mi B) 2 mi C) 2.5 mi D) 9 mi E) 1 mi
- \_\_\_ 55. What is 10% of 150?
- A) 150 B) 15 C) 1.5 D) 0.15 E) 1500
- \_\_\_ 56. What is 37% of 61?
- A) 22.57 B) 225.7 C) 2.257 D) 0.2257 E) 2257
- \_\_\_ 57. What is  $14\frac{2}{7}\%$  of 1260?
- A) 180 B) 80 C) 170 D) 230 E) 200
- \_\_\_ 58. 18 is what percent of 50?
- A) 50% B) 18% C) 36% D) 64% E) 225%
- \_\_\_ 59. Approximately 21% of air is oxygen. Using this estimate, determine how many liters of oxygen there are in a room containing 16,000 L of air.
- A) 32 L B) 3360 L C) 0.13125 L D) 3200 L E) 12500 L
- \_\_\_ 60. Solve:  $2 + 2x = 8$ .
- A) 3 B) 4 C) 10 D) 6 E) -3
- \_\_\_ 61. Solve:  $2x - 3 = -6$ .
- A)  $-1\frac{1}{2}$  B)  $-2\frac{1}{2}$  C)  $-3\frac{1}{4}$  D)  $-2\frac{1}{4}$  E)  $-1\frac{1}{4}$
- \_\_\_ 62. Solve:  $\frac{v}{6} - 2 = -5$ .
- A) -42 B) -18 C) -3 D) 42 E) 18
- \_\_\_ 63. Solve:  $3.5x - 2.5 = 15$ .
- A) 17.5 B) 1 C) 4.3 D) 12.5 E) 5

\_\_\_ 64. Solve:  $3x + 1 = 82 - 6x$ .

- A) 3   B) 9   C) -72   D) 81   E) -84

\_\_\_ 65. Solve:  $-5t - 1 = -10t - 16$ .

- A) -5   B) 3   C) -3   D) 20   E) 4

\_\_\_ 66. Solve:  $32x + 3(x - 2) = 34$ .

- A)  $1\frac{1}{4}$    B)  $1\frac{2}{7}$    C)  $2\frac{1}{7}$    D)  $1\frac{1}{7}$    E)  $2\frac{1}{4}$

\_\_\_ 67. If  $2 - 3x = 103 - 10(2x + 5)$ , evaluate  $2x^2 + 10x$ .

- A) 48   B) 3   C) 17.2   D) 763.68   E) 480.48

\_\_\_ 68. Write the following problem as an equation and solve.

The product of 8 and a number is 48.

- A)  $48x = 8; \frac{1}{6}$    B)  $48x = 8; 6$    C)  $8x = 48; \frac{1}{6}$    D)  $8x = 48; 6$    E)  $48x = 8; 3$

\_\_\_ 69. Write the following problem as an equation and solve.

The total of 6 times a number and 5 is 47.

- |                     |                     |
|---------------------|---------------------|
| A) $5x + 6 = 47; 6$ | D) $6x + 5 = 47; 7$ |
| B) $5x + 6 = 47; 7$ | E) $5x + 6 = 47; 4$ |
| C) $6x + 5 = 47; 6$ |                     |

\_\_\_ 70. McPherson Concrete sells concrete for \$65 for each cubic yard of concrete plus a \$24 delivery charge. How many cubic yards of concrete can be purchased for \$377?

- A)  $16 \text{ yd}^3$    B)  $13 \text{ yd}^3$    C)  $288 \text{ yd}^3$    D)  $4 \text{ yd}^3$    E)  $6 \text{ yd}^3$

\_\_\_ 71. Find two consecutive even integers such that two times the first integer is equal to three times the second integer.

- A) -4, -2   B) -2, 0   C) 0, 2   D) -8, -6   E) -6, -4

\_\_\_ 72. A restaurant chef mixes 15 pounds of snow peas costing \$1.79 a pound with 10 pounds of petite onions costing \$1.17 a pound to make a vegetable medley for the evening meal. Find the cost per pound of the mixture.

- A) \$1.54   B) \$1.48   C) \$2.57   D) \$2.96   E) \$1.93



\_\_\_ 73. An herbalist has 30 oz of herbs costing \$1.95 per ounce. How many ounces of herbs costing \$1 per ounce should be mixed with the 30 oz to produce a mixture costing \$1.57 per ounce?

- A) 16 oz   B) 23 oz   C) 18 oz   D) 20 oz   E) 21 oz

\_\_\_ 74. A passenger train leaves a train depot two hours after a freight train leaves the same depot. The freight train is traveling 12 mph slower than the passenger train.

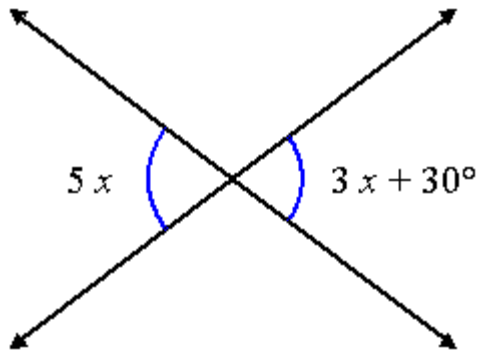
Find the rate of the freight train if the passenger train overtakes the freight train after 5 h.

- A) 26 mph   B) 54 mph   C) 30 mph   D) 42 mph   E) 38 mph

\_\_\_ 75. The perimeter of a triangle is 55 m. One side is five times the second side. The third side is 13 m more than the second side. Find the length of each side.

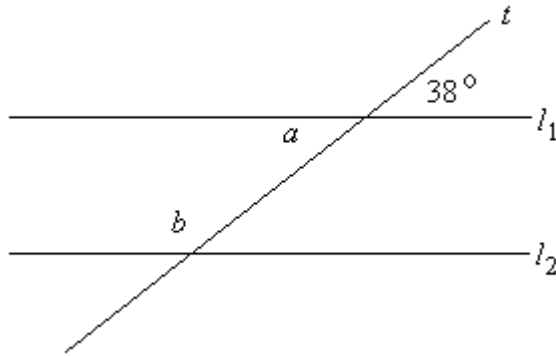
- |                    |                    |
|--------------------|--------------------|
| A) 28 m, 8 m, 19 m | D) 30 m, 5 m, 20 m |
| B) 30 m, 6 m, 19 m | E) 31 m, 7 m, 20 m |
| C) 28 m, 7 m, 20 m |                    |

\_\_\_ 76. Find  $x$ .



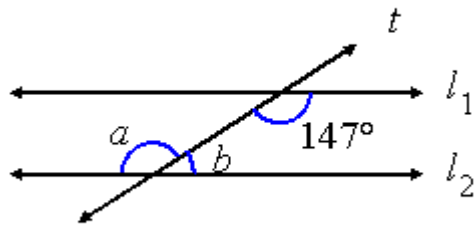
- A)  $18^\circ$    B)  $15^\circ$    C)  $75^\circ$    D)  $60^\circ$    E) The value of  $x$  cannot be determined.

\_\_\_ 77. The lines  $l_1$  and  $l_2$  are parallel. Find the measures of angles  $a$  and  $b$ .



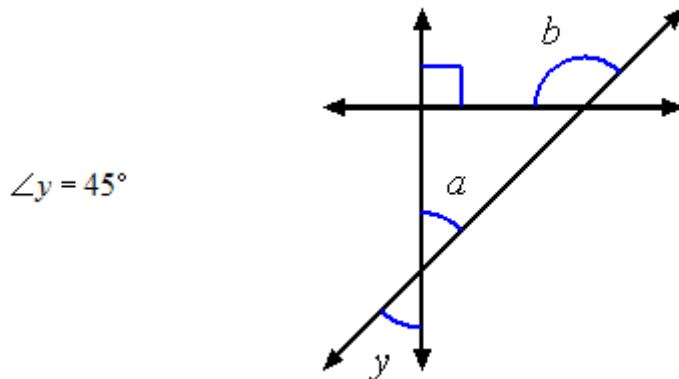
- A)  $\angle a = 52^\circ$ ;  $\angle b = 52^\circ$                       D)  $\angle a = 142^\circ$ ;  $\angle b = 38^\circ$   
B)  $\angle a = 142^\circ$ ;  $\angle b = 142^\circ$                       E)  $\angle a = 38^\circ$ ;  $\angle b = 142^\circ$   
C)  $\angle a = 38^\circ$ ;  $\angle b = 38^\circ$

\_\_\_ 78. Given that  $l_1 \parallel l_2$ , find the measure of angle  $a$ .



- A)  $33^\circ$    B)  $143^\circ$    C)  $153^\circ$    D)  $147^\circ$    E)  $57^\circ$

\_\_\_ 79. Given the measure of angle  $y$  below, find the measure of angle  $b$ .



- A)  $120^\circ$  B)  $110^\circ$  C)  $145^\circ$  D)  $149^\circ$  E)  $135^\circ$
- \_\_\_ 80. Two angles of a triangle measure  $65^\circ$  and  $22^\circ$ .  
What is the measure of the third angle?
- A)  $90^\circ$  B)  $87^\circ$  C)  $223^\circ$  D)  $137^\circ$  E)  $93^\circ$
- \_\_\_ 81. A notebook computer costing \$229 is sold for \$309.15. Find the markup rate on the computer.
- A) 26% B) 9% C) 35% D) 135% E) 65%
- \_\_\_ 82. A set of 4 radial tires for a luxury sport sedan is on sale for \$175 after a markdown of 30%. Find the regular price of the set of tires.
- A) \$250.00 B) \$583.33 C) \$192.31 D) \$205.00 E) \$275.00
- \_\_\_ 83. A home store sells 40-lb bags of lawn lime in its garden department. The store applies a discount of 15% when 12 to 24 bags are purchased and a discount of 20% if more than 24 bags are purchased. A bag of lime sells regularly for \$3.50. Find the sale price per bag when 21 bags are purchased.
- A) \$2.80 B) \$5.25 C) \$2.97 D) \$7.00 E) \$3.35
- \_\_\_ 84. A stock analyst deposited a total of \$80,000 in two simple interest accounts. The annual simple interest rate on one account is 4%. The annual simple interest rate on the second account is 12%. How much was invested in each account if the total annual interest earned is 6% of the total investment?
- A) \$20,000 at 4%; \$60,000 at 12%  
B) \$65,000 at 4%; \$15,000 at 12%  
C) \$15,000 at 4%; \$65,000 at 12%  
D) \$40,000 at 4%; \$40,000 at 12%  
E) \$60,000 at 4%; \$20,000 at 12%

- \_\_\_ 85. A 25% acid solution is made by adding an amount of 75% acid solution to 70 ml of a 5% acid solution. Let  $x$  be the amount of 75% acid solution that is in the mixture. The table below summarizes this information.

	Amount, $A$	$\cdot$	Percent of concentration, $r$	=	Quantity, $Q$
5% acid solution	70	$\cdot$	0.05	=	3.5
75% acid solution	$x$	$\cdot$	0.75	=	$0.75x$
Mixture	$70 + x$	$\cdot$	0.25	=	$0.25(70 + x)$

Use the expressions in the last column of the table to write an equation that can be solved to find the amount of 75% solution that is in the mixture.

- A)  $3.5(0.75x) = 0.25(70 + x)$       D)  $\frac{3.5}{0.75x} = 0.25(70 + x)$   
 B)  $3.5 + 0.75x = 0.25(70 + x)$       E) none of the above  
 C)  $3.5 - 0.75x = 0.25(70 + x)$
- \_\_\_ 86. Forty ounces of a 30% gold alloy are mixed with 70 oz of a 24% alloy.  
 Find the concentration of the resulting gold alloy.  
 A) 25.18%   B) 27.85%   C) 24.98%   D) 26.18%   E) 34.18%
- \_\_\_ 87. Find  $A \cup B$  for  $A = \{2, 5, 9\}$ ,  $B = \{3, 5, 8\}$ .  
 A)  $\{2, 5, 9\}$    B)  $\{3, 5, 8\}$    C)  $\{2, 3, 5, 8\}$    D)  $\{2, 3, 5, 8, 9\}$    E)  $\{3, 5, 8, 9\}$
- \_\_\_ 88. Find  $A \cap B$  for  $A = \{20, 40, 60\}$ ,  $B = \{10, 20, 30\}$ .  
 A)  $\{20\}$    B)  $\{20, 40, 60\}$    C)  $\{10, 20, 30\}$    D)  $\{10, 20, 30, 40, 60\}$    E)  $\emptyset$
- \_\_\_ 89. Solve the inequality  $10x - 1 > 9x + 5$ . Write the solution in set-builder notation.  
 A)  $\{x \mid x > 6\}$    B)  $\{x \mid x < 6\}$    C)  $\{x \mid x > 7\}$    D)  $\{x \mid x > -6\}$    E)  $\{x \mid x < 7\}$
- \_\_\_ 90. Solve. Write the solution set in interval notation.  
 $x + 9 \geq 5x - 4$   
 A)  $\left(-\infty, -\frac{13}{4}\right]$    B)  $\left(-\infty, \frac{13}{4}\right)$    C)  $\left[-\frac{13}{4}, \infty\right)$    D)  $\left(-\infty, \frac{13}{4}\right]$    E)  $\left[\frac{13}{4}, \infty\right)$
- \_\_\_ 91. Solve the following compound inequality. Write the solution in interval notation.  
 $9x < 72$  and  $x + 13 > 7$   
 A)  $[-6, 9]$    B)  $(-6, 9)$    C)  $[-6, 8]$    D)  $(-6, 8)$    E)  $\emptyset$

\_\_\_ 92. Solve the following compound inequality. Write the solution in interval notation.

$$5x - 9 < 16 \text{ and } 2x - 10 > 4$$

- A)  $(5, 7)$  B)  $(-\infty, 5) \cup (7, \infty)$  C)  $[5, 7]$  D)  $(-\infty, 5] \cup [7, \infty)$  E)  $\emptyset$

\_\_\_ 93. Solve the following compound inequality. Write the solution in set-builder notation.

$$-29 < 8x + 3 < 83$$

- A)  $\{x \mid x < -4 \text{ or } x > 10\}$  D) The set of real numbers  
B)  $\{x \mid -4 < x < 10\}$  E)  $\emptyset$   
C)  $\{x \mid x > -4\}$

\_\_\_ 94. Solve the following compound inequality. Write the solution in interval notation.

$$x + 9 \geq 17 \text{ or } 10x \leq 60$$

- A)  $(6, 8)$  B)  $(-\infty, 6) \cup (8, \infty)$  C)  $[6, 8]$  D)  $(-\infty, 6] \cup [8, \infty)$  E)  $\emptyset$

## Answer Key

1. B
2. B
3. B
4. D
5. A
6. B
7. B
8. B
9. D
10. D
11. A
12. E
13. E
14. E
15. C
16. E
17. E
18. A
19. D
20. B
21. B
22. C
23. D
24. B
25. E
26. C
27. C
28. E
29. A
30. C
31. C
32. D
33. D
34. C
35. A
36. E
37. D
38. D
39. D
40. E
41. E
42. C
43. C
44. C
45. D
46. E
47. D
48. E
49. D
50. A
51. C
52. D
53. B

- 54. A
- 55. B
- 56. A
- 57. A
- 58. C
- 59. B
- 60. A
- 61. A
- 62. B
- 63. E
- 64. B
- 65. C
- 66. D
- 67. A
- 68. D
- 69. D
- 70. B
- 71. E
- 72. A
- 73. D
- 74. C
- 75. B
- 76. B
- 77. E
- 78. D
- 79. E
- 80. E
- 81. C
- 82. A
- 83. C
- 84. E
- 85. B
- 86. D
- 87. D
- 88. A
- 89. A
- 90. D
- 91. D
- 92. E
- 93. B
- 94. D