Geometry Review Quiz 1-3 B

Name _____

Put all answers to the multiple choice questions below. Use Capital Letters, please.

_____1.   What is the midpoint of a line that has endpoints at (0, 3) and (6, -1)?
  A. (12, 2)   B. (3, 2)   C. (12, -5)   D. (3, 1)

_____2.   If $\angle A$ and $\angle B$ are a linear pair with $\angle A = n + 40$
  and $\angle B = 9n + 20$, what is the measurement of $\angle A$?
  A. 12   B. 22   C. 42   D. 52

_____3.   Give the equation in slope intercept form that goes through (3, 4) and (5, 10).

  A. y = 3x – 4   B. y = -3x + 13   C. y = 3x – 5   D. $y = \frac{1}{3}x + 3$

_____4.   Which equation below has a y-intercept of -2?
  A. y = -2x + 1   B. 2x + y = 2   C. y – 2 = 2x   D. y + 2 = 5x

_____5.   If AB + BC = XY + BC, then AB = XY demonstrates what property?
  A. Subtraction   B. Addition   C. Substitution   D. Symmetric

_____6.   Which statement is the converse of "dogs have four legs"?
  A. If you are a dog, you have four legs.
  B. If you have four legs, you are a dog.
  C. If you don't have four legs, you are not a dog.
  D. None of the above.

_____7.   What equation would be perpendicular to y = 2x + 5

  A. y = -x – 5   B. y = -2x – 5   C. $y = -\frac{1}{2}x – 5$ D. $y = \frac{1}{2}x - 5$

_____8.   If two angles are **a linear pair** and one angle has a measurement of 8n while the other
  has a measurement of 2n + 100, what is the value of n?
  A. 4   B. 8   C. 16   D. 24

_____9.   What is the measurement of angle #4 in Figure1 on the back?
  A. 10   B. 20   C. 30   D. 40

_____10.   What is the measurement of x in Figure 2 on the back?
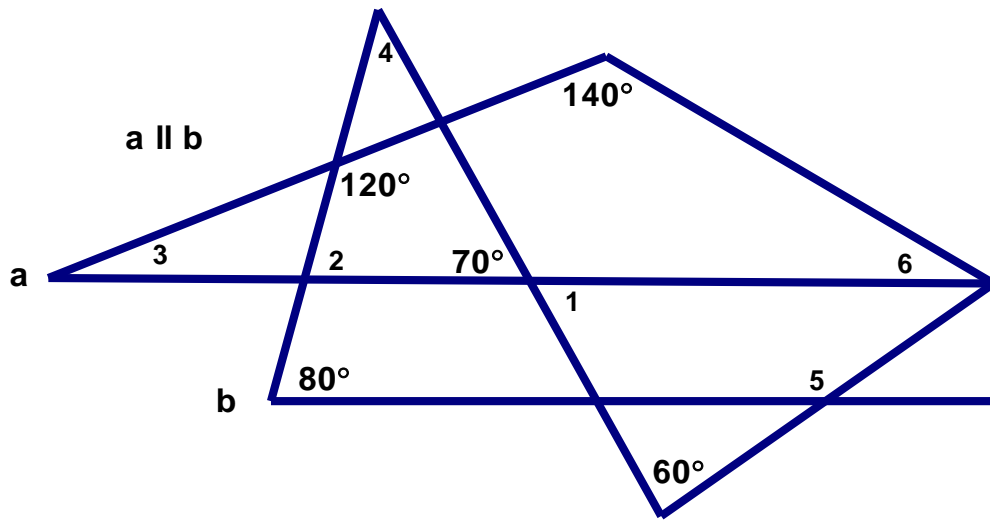 A. 14   B. 15   C. 16   D. None of the above

Figure 1

4

140°

a ll b

120°

a

3

2

70°

6

1

80°

b

5

60°

Figure 2

a

4x + 10

a ll b

6x + 10

b