Geometry Review Quiz 16

Name _____

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

_____1.   Which of the following cannot be used to prove congruency?
        A. SSA   B. SSS   C. AAS   D. SAS

_____2.   What is the measurement of angle #4 on the back?
        A. 20   B. 30   C. 40   D. 50

_____3.   If $AB - XY = BC - XY$, then $AB = BC$
        A. Transitive   B. Subtraction   C. Reflexive   D. Addition

_____4.   A is at (10, 3) and B is at (12, 0). If B is the midpoint of $\overline{AC}$, what are the coordinates of C?
        A. (22, 3)   B. (14, -3)   C. (22, -3)   D. None of the above

_____5.   What is the distance from (1, 2) to (-2, 6)?
        A. $\sqrt{17}$ B. $\sqrt{7}$ C. $\sqrt{24}$ D. None of the above

_____6.   What is the equation in slope intercept form that goes through (1, 4) and (3, 10).
        A. $y = 3x + 1$ B. $y = 3x - 10$ C. $y = -3x + 10$ D. $y = -3x - 10$

_____7.   If $\angle A$ and $\angle B$ are a linear pair with $\angle A = 3n + 5$ and $\angle B = 2n + 15$,
        what is the measurement of $\angle B$?
        A. 65   B. 35   C. 10   D. 79

_____8.   Consider the Venn diagram on the back. How many kids play basketball
        and soccer at the same time?
        A. 1   B. 8   C. 9   D. 24

_____9.   If C is between X and Y with $XY = 4n - 10$ and $CY = 2n - 9$, what is CX?
        A. $6n - 1$ B. $2n - 1$ C. $2n - 19$ D. None of the above

_____10.   What equation would be perpendicular to $y = \frac{1}{2}x + 5$
        A. $y = -2x + 5$ B. $y = 2x - 4$ C. $y = -\frac{1}{2}x - 5$ D. $y = -\frac{1}{2} - 5$

Figure 1: Parallel lines a ∥ b

a ∥ b

20°

a —— 5 ———— 4 ——

100°

1

6   130°

10°   2

3

b

Figure 2: Venn Diagram

Basketball   Football

5   6   10

8

1   3

4

Soccer