Geometry Review Quiz 8

Name _____

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

_____1.   All angles in a triangle add up to 360°.
A. True   B. False

_____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.   I have a total of 16 kids. If 11 of my kids play soccer and 9 play tennis,
how many play both tennis and soccer?
A. 2   B. 4   C. 8   D. 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.   If the conditional statement "If you have a laptop, then you have a computer" is
represented by $p \rightarrow q$, what is the symbolic representation of "If you have a computer,
then you do not have a laptop"?
A. $q \rightarrow \sim p$ B. $\sim q \rightarrow p$ C. $p \rightarrow \sim q$ D. $\sim q \rightarrow \sim p$

20°

a

5   4

a ll b

1   100°

6   130°

10°   2

3

b

Basketball   Football

5   6   10

8

1   3

4

Soccer