Honors Geometry Review Quiz 7

Name _____

Put your answer to the left of the question in the blank.
Use capital letters and be neat.

_____1. What are the measures of two supplementary angles if the difference of their measures is $8°$?
A. 39, 51 B. 76, 84 C. 86, 94 D. 41, 49

_____2. A is at (-1, 2) and B is at (3, 8). What are the coordinates of the midpoint of $\overline{AB}$?
A. (1, 4) B. (1, 5) C. (2, 5) D. (2, 4)

_____3. What is the area of a circle with a radius of 6 cm? (Ignore units)
A. 6π B. 12π C. 18π D. 36π

_____4. If you walk 35 miles due North and then 48 miles due West, rounded to the nearest mile how far are you from your starting point?
A. 13 miles B. 33 miles C. 59 miles D. 61 miles

_____5. 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. 22 B. 12 C. 52 D. 42

_____6. If the diagonal distance of a rectangle is 97 cm and one of the sides is 65 cm, what is the other side length?
A. 71 cm B. 72 cm C. 117 cm D. 118 cm

_____7. Consider the statement: "If an angle is 90 degrees, it is a right angle." Is the converse of this statement true or false?
A. True B. False

_____8. The contrapositive of "if you have a dog, you like cats" is "if you don't like cats, you love dogs."
A. True B. False

_____9. "If you like dogs, you like cats" is represented by $p \rightarrow q$. What would be the symbolic representation of "if you don't like cats, you like dogs"?
A. $\sim p \rightarrow q$ B. $p \rightarrow \sim q$ C. $\sim q \rightarrow p$ D. $\sim q \rightarrow \sim p$

_____10. There are 30 kids who play either soccer or baseball. 4 of the 30 kids play both soccer and baseball. If the soccer team has 18 members, how many kids are on the baseball team?
A. 12 B. 16 C. 20 D. 26