Honors Geometry Review Quiz 3

Name _____

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

_____1. Which statement is the inverse of "dogs have four legs"?
A. If you are not a dog, you don't 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.

_____2. What is the distance from (2, 5) to (7, 6)?
A. $\sqrt{37}$ B. $\sqrt{23}$ C. $\sqrt{24}$ D. None of the above

_____3. What property is demonstrated by: If x – 4 = a, then x = a + 4
A. Transitive B. Subtraction C. Reflexive D. Addition

_____4. A is at (10, 3) and B is at (6, 0). If B is the midpoint of $\overline{AC}$, what are the coordinates of C?
A. (5, 3) B. (2, -3) C. (8, 6) D. None of the above

_____5. If X is the midpoint of $\overline{CN}$ and CN = 8n – 2, what is CX?
A. 4n – 1 B. 16n – 4 C. 4n + 1 D. None of the above

_____6. A triangle has vertices at (8, 2) (4, 6) and (1, 2). What is the perimeter of the triangle?
A. 8.6 cm B. 12.8 cm C. 13.4 cm D. None of the above

_____7. If $\angle A$ and $\angle B$ are vertical angles with $\angle A = 3n + 5$ and $\angle B = 2n + 15$, what is the measurement of $\angle B$?
A. 65 B. 35 C. 10 D. None of the above

_____8. If $\angle A$ and $\angle B$ are complementary angles with $\angle A = -3n + 30$, what is $\angle B$?
A. 60 – 3n B. 60 + 3n C. 150 – 3n D. 150 + 3n

_____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. All of my 20 kids in 1st period are either soccer players or tennis players. 14 of them are on the soccer team and 10 are on the tennis team. How many kids play just tennis and not soccer?
A. 4 B. 6 C. 10 D. None of the above