Geometry Review Quiz 1-5 C

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

_____1. If A = (2, 5) and B = (8, 7), what is AB?
A. $\sqrt{20}$ B. $\sqrt{30}$ C. $\sqrt{40}$ D. $\sqrt{50}$

_____2. If $\angle A$ and $\angle B$ are vertical angles with $\angle A = 2n + 60$ and $\angle B = 4n + 20$, what is the measurement of $\angle B$?
A. 10 B. 20 C. 80 D. 100

_____3. If X is the midpoint of $\overline{CN}$ and CX = 2n – 10, what is CN?
A. n – 5 B. 4n – 20 C. 6n + 40 D. 40

_____4. In ΔABC, $\angle A = 50°$, $\angle B = 60°$, and $\angle C = 70°$. What side length is shortest?
A. AB B. BC C. AC D. AX

_____5. 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)

_____6. If $\angle A$ and $\angle B$ are vertical angles with $\angle A = 2n + 60$ and $\angle B = 4n + 20$, what is the measurement of $\angle B$?
A. 10 B. 20 C. 80 D. 100

_____7. Which of the following couldn't be the side lengths of a triangle?
A. 3, 4, 5 B. 5, 4, 9 C. 2, 7, 8 D. 1, 1, 1

_____8. If $\angle 1 + \angle 2 = 90$ and $\angle 2 = \angle 5 + \angle 6$, then $\angle 1 + \angle 5 + \angle 6 = 90$.
A. Substitution B. Addition C. Symmetric D. Calcitration

_____9. Let ***p*** represent $x^2 = 21$ and let ***q*** represent x is not a whole number.
Which is a representation of "If x is a whole number, then $x^2 \neq 21$."
A. $\sim p \rightarrow \sim q$ B. $\sim p \rightarrow q$ C. $p \rightarrow \sim q$ D. $\sim q \rightarrow \sim p$

_____10. 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