Geometry Review Quiz 1-2 D

Put all answers in the blank to the left of the question.

_____1. A is at (5, 2) and B is at (-1, 6). What are the coordinates of the midpoint of $\overline{AB}$?
A. (1, 4) B. (2, 3) C. (2, 4) D. (-2, 3)

_____2. If AB = 6 and AB + BC = 10, then 6 + BC = 10 demonstrates what property?
A. Subtraction B. Addition C. Substitution D. Symmetric

_____3. If AB – NP = BC – NP, then AB = BC demonstrates what property?
A. Subtraction B. Addition C. Substitution D. Symmetric

_____4. 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

_____5. What is the distance from (1, 5) to (7, 6)?
A. $\sqrt{37}$ B. $\sqrt{23}$ C. $\sqrt{24}$ D. None of the above

_____6. If X is the midpoint of $\overline{CN}$ and CX = 2n – 10, what is CN?
A. n – 5 B. 4n – 20 C. 4n D. 40

_____7. If two angles are **complementary angles** and one angle has a measurement of 2n + 6 while the other has a measurement of 4n – 12, what is the value of n?
A. 6 B. 8 C. 12 D. 16

_____8. If two angles are **vertical angles** and one angle has a measurement of 8n + 20 while the other has a measurement of 6n + 28, what is the measure of each angle?
A. 36 B. 44 C. 52 D. 62

_____9. If two angles are **a linear pair** and one angle has a measurement of 8n while the other has a measurement of 2n + 100, what is the value of n?
A. 4 B. 8 C. 16 D. 24

_____10. If $\angle A$ and $\angle B$ are supplementary angles with $\angle B = 2n + 100$, what is the expression for $\angle A$?
A. 80 – 2n B. -10 – 2n C. 280 – 2n D. 100 – 2n