Geometry Review Quiz 1-4 A

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. 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

_____3. Which of the following couldn't be used to prove congruency?
A. SSS B. SAS C. AAA D. SAA

_____4. 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

_____5. Give the equation in slope intercept form that goes through (3, 4) and (5, 10).
A. y = 3x – 4 B. y = -3x + 13 C. y = 3x – 5 D. y = $\frac{1}{3}x + 3$

_____6. What equation would be perpendicular to y = 2x + 5
A. y = -x – 5 B. y = -2x – 5 C. y = $-\frac{1}{2}$x – 5 D. y = $\frac{1}{2}x$ - 5

_____7. What is the distance from (1, 5) to (5, 4)?
A. $\sqrt{37}$ B. $\sqrt{23}$ C. $\sqrt{17}$ D. None of the above

_____8. If $\Delta RST \cong \Delta HIJ, \angle R = 97°, \angle J = 37°,$ and $\angle S = 4x + 14$, what is the value of x?
A. 10 B. 32 C. 46 D. 8

_____9. Which of the following is NOT true if $\Delta ABC \cong \Delta VCD$?
A. AB = VC B. $\angle C = \angle D$ C. AC = VD D. BC = CV

_____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