

Geometry Review Quiz 1-5 B

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

- _____1. If $\triangle ABC \cong \triangle XYZ$, $AB = 38$, $YZ = 28$, and $XY = 5x + 8$, what is the value of x ?
A. 4 B. 6 C. 20 D. 30
- _____2. What is the distance from $(1, 5)$ to $(7, 6)$?
A. $\sqrt{37}$ B. $\sqrt{23}$ C. $\sqrt{24}$ D. None of the above
- _____3. If $AB - XY = BC - XY$, then $AB = BC$
A. Transitive B. Subtraction C. Reflexive D. Addition
- _____4. In $\triangle ABC$, $A = (2, 4)$, $B = (3, 7)$ and $C = (6, 3)$. What angle is largest?
A. $\angle A$ B. $\angle B$ C. $\angle C$ D. None of these
- _____5. What is the equation in slope intercept form that goes through $(1, 4)$ and $(3, 10)$.
A. $y = 3x + 1$ B. $y = 3x - 10$ C. $y = -3x + 10$ D. $y = -3x - 10$
- _____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 midpoint of a line that has endpoints at $(0, 3)$ and $(6, -1)$?
A. $(12, 2)$ B. $(3, 2)$ C. $(12, -5)$ D. $(3, 1)$
- _____8. 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. 12 B. 22 C. 42 D. 52
- _____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. Which statement is the converse of "dogs have four legs"?
A. If you are a dog, you 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.