

Geometry Review Quiz 2

Name _____

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

- _____1. If C is between X and Y with $CX = 2n + 6$ and $CY = 3n - 1$, what is XY?
A. $5n + 5$ B. $4n - 5$ C. $5n - 5$ D. $n - 7$
- _____2. 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. $(2, 4)$
- _____3. B is the midpoint of \overline{AC} . If A is at $(2, 3)$ and B is at $(4, 2)$, where is C located?
A. $(6, 4)$ B. $(3, 2.5)$ C. $(6, 1)$ D. None of the above
- _____4. If $\angle A$ and $\angle B$ are **vertical angles** with $\angle A = n + 60$ and $\angle B = 2n + 10$, what is the measurement of $\angle A$?
A. 110 B. 80 C. 20 D. None of the above
- _____5. \overline{BX} bisects $\angle ABC$. If $\angle ABC = 40^\circ$, what is $\angle ABX$?
A. 20° B. 40° C. 60° D. 80°
- _____6. What is the distance from $(1, 5)$ to $(7, 6)$?
A. $\sqrt{37}$ B. $\sqrt{23}$ C. $\sqrt{24}$ D. None of the above
- _____7. If two angles are **complementary angles** and one angle has a measurement of $2n + 6$ while the other has a measurement of $5n$, what is the value of n ?
A. 6 B. 8 C. 12 D. None of the above
- _____8. If two angles are **vertical angles** and one angle has a measurement of $12n + 20$ while the other has a measurement of $8n + 28$, 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 $2n$, what is the value of n ?
A. 18 B. 22 C. 36 D. 44
- _____10. How long has Mr. Hickam been married?
A. 2 days B. 5 years C. 20 years D. 40 years