

Honors 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 B is between A and C on \overline{AC} with $AB = 4n + 7$ and $AC = 6n - 1$, what is BC?
A. $10n + 6$ B. $2n - 6$ C. $2n + 8$ 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. Which one of the following is a Pythagorean triple?
A. 3, 8, 11 B. 55, 58, 59 C. 60, 91, 109 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