

Geometry Review Quiz 1 C

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

- _____ 1. If you walk 24 miles due East and 10 miles due South, how far from the starting point are you?
- _____ 2. What is the midpoint of a line that has endpoints at (6, 4) and (8, 0)?
- _____ 3. \overline{BX} bisects $\angle ABC$. If $\angle ABC = 4n + 10$, what is $\angle ABX$?
- _____ 4. Point A is at (0, 6) and B is at (8, 4). If B is the midpoint of \overline{AC} , what are the coordinates of C?
- _____ 5. If A = (3, 5) and B = (7, 10), what is AB?
Just give the answer as a square root (e.g. $\sqrt{10}$, $\sqrt{20}$, etc.).
- _____ 6. If two angles are **complementary angles** and one angle has a measurement of $2n + 20$ while the other has a measurement of $3n$, what is the value of n?
- _____ 7. If two angles are **vertical angles** and one angle has a measurement of $9n + 20$ while the other has a measurement of $n + 28$, what is the value of n?
- _____ 8. 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?
- _____ 9. If C is between X and Y with $CX = 4n + 8$ and $CY = 2n + 10$, what is XY?
- _____ 10. If $\angle A$ and $\angle B$ are supplementary angles with $\angle B = n - 10$, what is the expression (no numerical answer) for $\angle A$?