Geometry Review Quiz 1 B

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

_____ 1. If you walk 12 miles due East and 5 miles due South, how far from the starting point are you?

_____ 2. What is the midpoint of a line that has endpoints at (6, 3) and (8, 5)?

_____ 3. $\overrightarrow{BX}$ bisects $\angle ABC$. If $\angle ABX = 6n + 4$, what is $\angle ABC$?

_____ 4. Point A is at (4, 6) and B is at (10, 12). If B is the midpoint of $\overline{AC}$, what are the coordinates of C?

_____ 5. If A = (1, 8) 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 6n + 40 while the other has a measurement of 4n, what is the value of n?

_____ 7. If two angles are **vertical angles** and one angle has a measurement of 10n + 10 while the other has a measurement of 8n + 60, what is the value of n?

_____ 8. If two angles are **a linear pair** and one angle has a measurement of 8n + 20 while the other has a measurement of 2n + 30, what is the value of n?

_____ 9. If C is between X and Y with CX = 2n + 8 and CY = 2n + 10, what is XY?

_____ 10. If B is between N and Y with BN = 5n + 8 and NY = 7n + 5, what is BY?