

# Geometry Review Quiz 1 E

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

- \_\_\_\_\_ 1. If you walk 12 miles due East and 9 miles due South, how far from the starting point are you?
- \_\_\_\_\_ 2. What is the midpoint of a line that has endpoints at (2, 3) and (8, 7)?
- \_\_\_\_\_ 3.  $\overline{BX}$  bisects  $\angle ABC$ . If  $\angle ABX = 4n + 12$ , what is  $\angle ABC$ ?
- \_\_\_\_\_ 4. How many sides does a pentagon have?
- \_\_\_\_\_ 5. If A = (1, 2) and B = (4, 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  $6n + 20$  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  $10n + 20$  while the other has a measurement of  $8n + 60$ , what is the value of n?
- \_\_\_\_\_ 8. If two angles are supplementary and one angle is  $50^\circ$ , what is the measurement of the other angle?
- \_\_\_\_\_ 9. If C is between X and Y with  $CX = 3n + 8$  and  $CY = 2n + 10$ , what is XY?
- \_\_\_\_\_ 10. Spell my last name correctly.