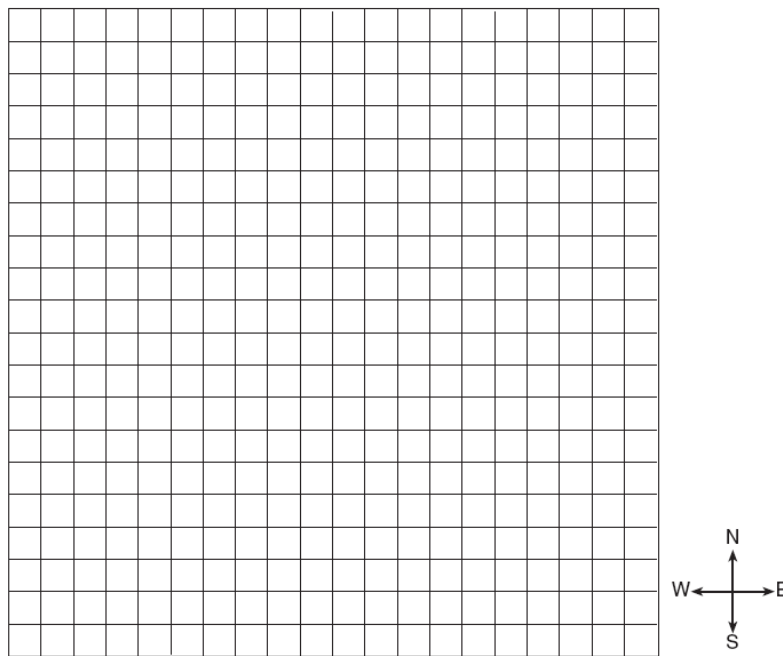# Distance Formula Homework

Math A - June 2003 #30

To get from his high school to his home, Jamal travels 5.0 miles east and then 4.0 miles north. When Sheila goes to her home from the same high school, she travels 8.0 miles east and 2.0 miles south. What is the measure of the shortest distance, to the *nearest tenth of a mile,* between Jamal's home and Sheila's home? [The use of the accompanying grid is optional.]

N
W ← → E
S

Math A - Jan 2005 #24

The coordinates of point R are $(-3,2)$ and the coordinates of point T are $(4,1)$. What is the length of $\overline{RT}$?

(1) $2\sqrt{2}$ (3) $4\sqrt{3}$

(2) $5\sqrt{2}$ (4) $\sqrt{10}$