

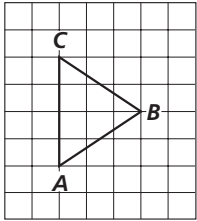
Name _____

8-8A Lesson Master

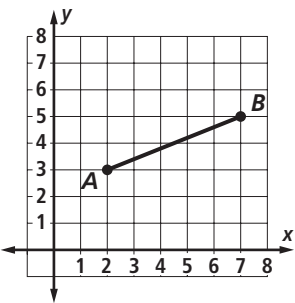
Questions on SPUR Objectives
See pages 521–523 for objectives.

REPRESENTATIONS Objectives I and J

- 1. A square has a diagonal with a length of 18 cm.
 - a. Find the length of a side of the square.
 - b. Find the area of the square.
- 2. A cube has a volume of 686 cubic inches. Find the exact length of an edge.
- 3. The area of the isosceles triangle ABC at the right is 6 square units. What is the exact value of AB ?
- 4. Give the formula for the distance between two points in a plane.



- 5. Use the graph at the right to complete the following.
 - a. Give the coordinates of points A and B .
 - b. Find the distance between A and B .



In 6–8, find the distance between the given points. Give the exact simplified value.

- 6. $(-3, 8)$ and $(5, 6)$
- 7. $(2, 7)$ and $(7, 2)$
- 8. $(4, -6)$ and $(-1, 3)$

- 9. Use the graph at the right to complete the following.
 - a. Find the length of \overline{UF} .
 - b. Find the area of $\triangle FUN$.

