

Name _____

8-8A Lesson Master

Questions on SPUR Objectives

See pages 521–523 for objectives.

REPRESENTATIONS Objectives I and J

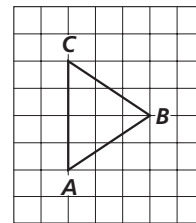
1. A square has a diagonal with a length of 18 cm.

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 ?

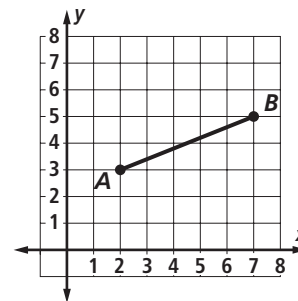


4. Give the formula for the distance between two points in a plane.

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 $\triangle FUN$.

