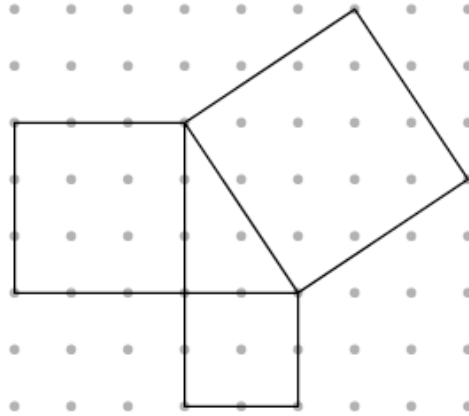


Complete all questions.

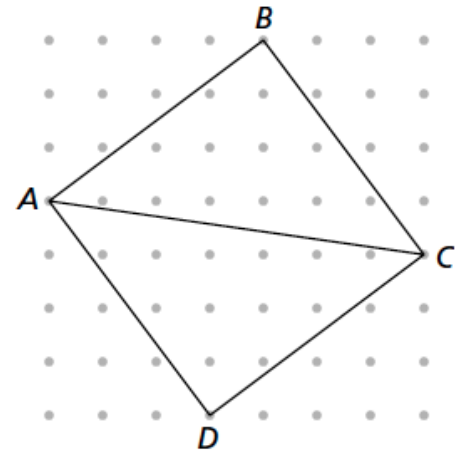
a. Find the area of each square below.



b. Describe any relationship you notice in your answer to part (a).

Use the diagram at the right to answer parts (a)–(f) on this page and the next page. Show all the work you do to find your solutions.

a. What is the area of square $ABCD$?



b. What is the length of line segment AB ?

c. What is the distance from A to C ?

- a. On the dot grid below, draw and label a line segment with length $\sqrt{2}$.



- b. Draw and label a line segment with length $\sqrt{4}$.

- c. Which is greater, $\sqrt{2} + \sqrt{2}$ or $\sqrt{4}$? Explain how you know.

Label a grid dot below with the letter T so that the length of ST is $\sqrt{10}$.

