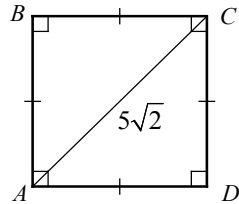


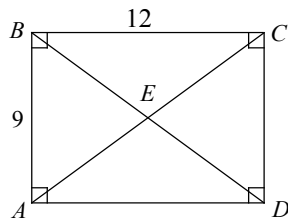
## Exercise - Rectangles, Squares, and Trapezoids

1



In square  $ABCD$  above, the length of diagonal  $AC$  is  $5\sqrt{2}$ . What is the area of the square?

Questions 2 and 3 refer to the following information.



In the figure above,  $ABCD$  is a rectangle.

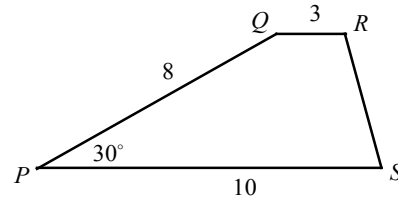
2

What is the length of  $AE$ ?

3

What is the area of  $\triangle CED$ ?

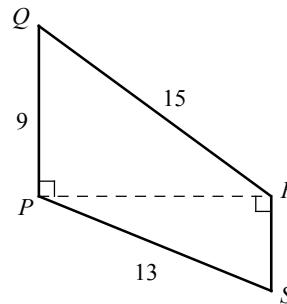
4



What is the area of trapezoid  $PQRS$  above?

- A) 20
- B) 24
- C) 26
- D) 32

5



What is the area of trapezoid  $PQRS$  above?

- A) 64
- B) 72
- C) 76
- D) 84