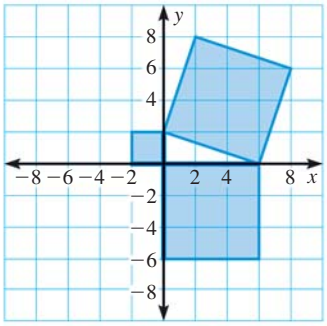
11 TAKS PRACTICE

PRACTICE FOR TAKS OBJECTIVE 7

1. What is the area of the largest square in the diagram?



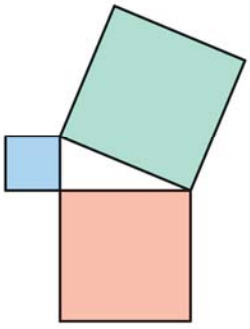
A 32 units^2

B 38 units^2

C 40 units^2

D 64 units^2

2. A painter is painting the figure below on a wall of a math classroom. If it takes the painter 5 minutes to paint the smallest square and 13 minutes to paint the largest square, how long will it take to paint the remaining square?



F 7 min

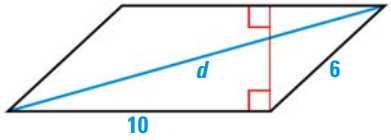
G 8 min

H 12 min

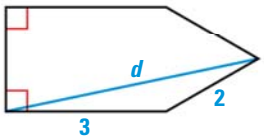
J 18 min

3. Line segment d is a diagonal in each polygon shown below. Which drawing shows enough information to find the length of line segment d?

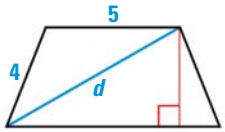
A



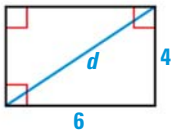
B



C



D



MIXED TAKS PRACTICE

4. The cost of renting a truck from a rental company is described by the function $f(x) = 28x + 15$ in which $f(x)$ is the cost and x is the time in days. If Jake has \$90 to spend, what is the maximum number of days that he can rent a single truck if tax is not considered? *TAKS Obj. 4*

F 1

G 2

H 3

J 4