63. TAKS REASONING A square quilt has a border that is 1 foot wide on each side. The quilt has an area of 25 square feet. What is the side length of the quilt without the border?
(A) 2 feet
(B) 3 feet
(C) 4 feet
(D) 5 feet
64. 

MULTIPLE REPRESENTATIONS You toss a set of keys to a friend who is standing at a window 20 feet above the ground in a building that is 5 feet away from where you are standing. The path of the keys can be modeled by the graph of the equation $y=-x^{2}+8 x+5$ where $x$ and $y$ are measured in feet. On a coordinate plane, the ground is represented by the $x$-axis, and you are standing at the origin.
a. Making a Table Make a table of values that shows the height of the keys for $x=2,4,6$, and 8 feet.
b. Drawing a Graph Plot the ordered pairs in the table as points in a coordinate plane. Connect the points with a smooth curve.
c. Interpreting a Graph Based on your graph, do you expect the keys to reach your friend? Explain your answer.
d. Using an Equation Find the value of $x$ when $y=20$. (You may need to factor out a -1 in order to factor the trinomial.) What do you notice? Explain how the $x$-value justifies your answer from part (c).
65. ChAllenge A rectangular stage is positioned in the center of a rectangular room, as shown. The area of the stage is 120 square feet.
a. Use the dimensions given in the diagram to find the length and width of the stage.
b. The combined area of the stage and the surrounding floor is 360 square feet. Find the length and width of the room.


## MIXED REVIEW FOR TAKS

## REVIEW

 Lesson 4.3;TAKS Workbook

## REVIEW

Lesson 1.5;
TAKS Workbook
66. TAKS PRACTICE What are the $x$ - and $y$-intercepts of the function graphed? TAKS Obj. 3
(A) $(1,0)$ and $(0,2)$
(B) $(2,0)$ and $(0,4)$
(C) $(2,0)$ and $(0,1)$
(D) $(4,0)$ and $(0,2)$

67. TAKS PRACTICE Which of the following would be least helpful in determining the amount of time it would take you to walk around a city block? TAKS Obj. 10
(F) Your walking speed
(G) The block's area
(H) The block's perimeter
(J) The block's dimensions

