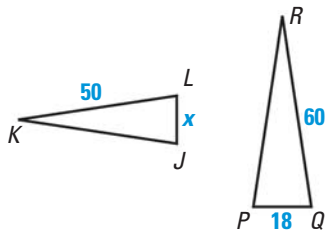


MIXED TAKS PRACTICE

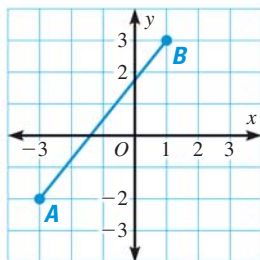
8. Which function generates this table of values? **TAKS Obj. 1**

x	-1	0	1	2	3
$f(x)$	5	9	13	17	21

- F** $f(x) = 4x$
G $f(x) = 4x + 9$
H $f(x) = 7x + 9$
J Not here
9. If $\triangle JKL$ is similar to $\triangle PRQ$, what is x ?
TAKS Obj. 8



- A** 8
B 15
C 16
D 18
10. Find the coordinates of A' and B' if \overline{AB} is reflected across the x -axis. **TAKS Obj. 6**

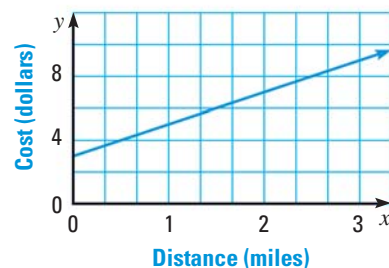


- F** $A'(-3, 2), B'(-1, 3)$
G $A'(-3, 2), B'(1, -3)$
H $A'(3, -2), B'(-1, 3)$
J $A'(3, 2), B'(-1, -3)$

11. A circular region is enclosed by 50 feet of rope. How can you best determine the diameter of the region? **TAKS Obj. 10**

- A** Divide 50 by 2.
B Find the square root of 50.
C Divide 50 by π .
D Divide 50 by 2π .

12. The cost of a taxi ride is the initial charge plus a charge per mile. The graph shows the cost of a taxi ride for a given taxi company.



Suppose the company changes the cost so that the initial charge is \$1.75 and the charge per mile is \$3. How would the graph of the new cost of a taxi ride compare with the graph of the original cost? **TAKS Obj. 3**

- F** The y -intercept is greater.
G The y -intercept is the same.
H The slope is greater.
J The slope is the same.
13. **GRIDDED ANSWER** You and your friend each join a movie club so you can purchase movie tickets for a reduced price. You spend a total of \$35 on the membership fee and 4 movie tickets, and your friend spends a total of \$45 on the membership fee and 6 movie tickets. What is the membership fee, in dollars, for the movie club? **TAKS Obj. 4**

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.