

6 TAKS PRACTICE

PRACTICE FOR TAKS OBJECTIVE 7

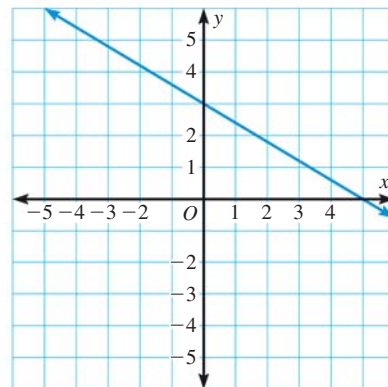
- You are making a rectangular patchwork quilt that will be 5 feet by 3 feet. Each patch is a square that measures 6 inches on each side. How many patches will you need to make the quilt?
A 15
B 30
C 42
D 60
- You have a circular oriental rug that has a radius of 4 feet. The rug seller advertised that the rug contains 400 knots per square inch. To the nearest ten thousand, how many knots are in the rug?
F 20,000
G 120,000
H 920,000
J 2,890,000
- A stained glass design is being made of congruent triangles. Together the triangles will create a parallelogram that has a height of 6 inches and a base of 8 inches. Each triangle has a base of 3 inches and a height of 4 inches. How many stained glass triangles are needed to create the parallelogram?
A 2
B 4
C 8
D 10
- The kitchen floor of a house is being covered with tiles. The kitchen floor is a rectangle with a length of 16 feet and a width of 12 feet. Each tile is a square that measures 16 inches on a side. How many tiles are needed to cover the kitchen floor?
F 72
G 108
H 144
J 192

- A bricklayer is building an 8 foot by 10.5 foot rectangular brick wall. The bricklayer has laid 7 square feet of wall in 1 hour. At this rate, how long will the bricklayer take to complete the wall?
A 7 h
B 8 h
C 11 h
D 12 h

MIXED TAKS PRACTICE

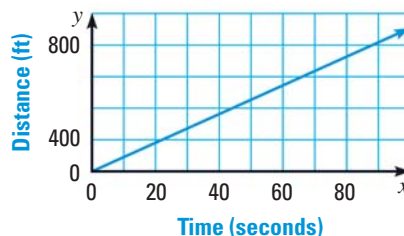
- Which equation best represents the line shown if the slope is tripled and the y -intercept remains constant? **TAKS Obj. 3**

- F** $y = 5x + 5$
G $y = -5x + 3$
H $y = -\frac{9}{5}x + 3$
J Not here



- The graph shows the distance traveled by a runner. Which of the following best describes the speed of the runner?

TAKS Obj. 3



- A** He runs about 1 foot per 9 seconds.
B He runs about 1 foot per 2 seconds.
C He runs about 2 feet per second.
D He runs about 9 feet per second.