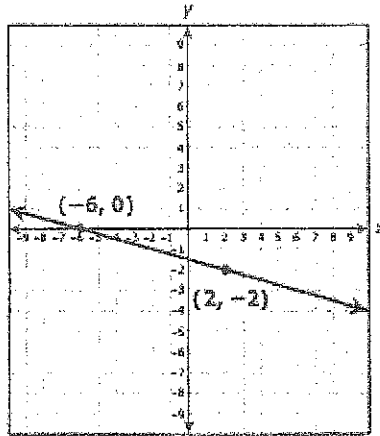


STAAR Practice

1.)

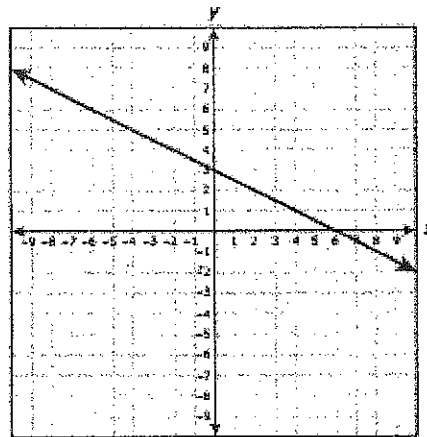
What are the slope and the y-intercept of the graph of the linear function shown on the grid?



- F Slope = 4, y-intercept = -6
- G Slope = -4, y-intercept = -1.5
- H Slope = $\frac{1}{4}$, y-intercept = -1.5
- J Slope = $\frac{1}{4}$, y-intercept = -6

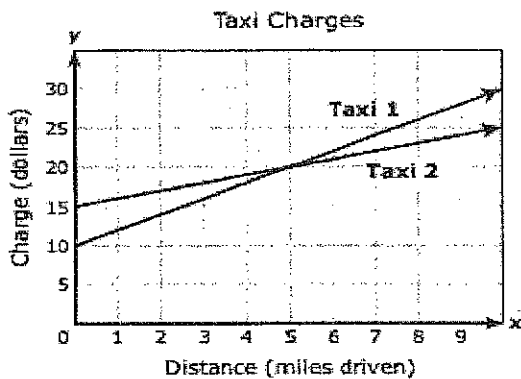
2.)

Which function is best represented by this graph?



- F $y = \frac{1}{2}x + 6$
- G $y = -2x + 3$
- H $y = 2x + 6$
- J $y = -\frac{1}{2}x + 3$

3.)

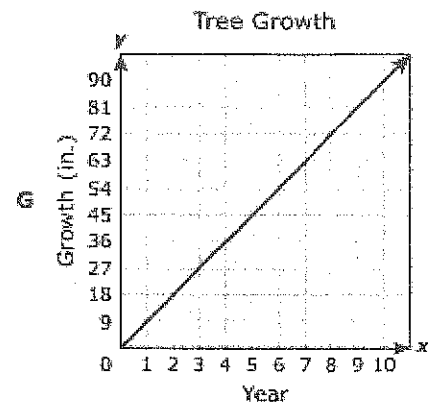
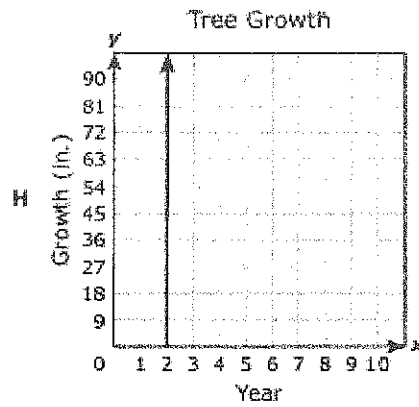
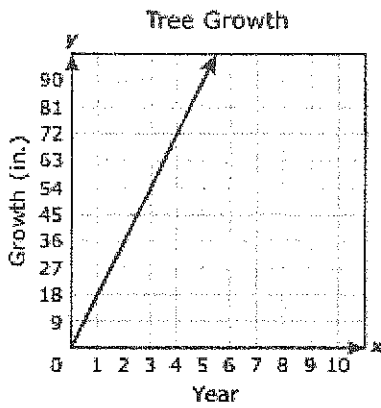


Based on the graph, which statement appears to be true?

- F The charge for a trip with a distance of 5 miles is \$5 greater for Taxi 1 than for Taxi 2.
- G The charge for a trip with a distance of 5 miles is \$5 less for Taxi 1 than for Taxi 2.
- H The charge for a trip with a distance of 5 miles is \$20 for both Taxi 1 and Taxi 2.
- J The charge for a trip with a distance of 5 miles cannot be determined for either Taxi 1 or Taxi 2.

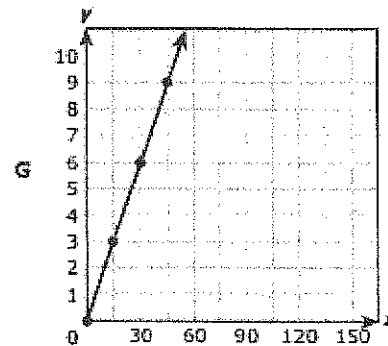
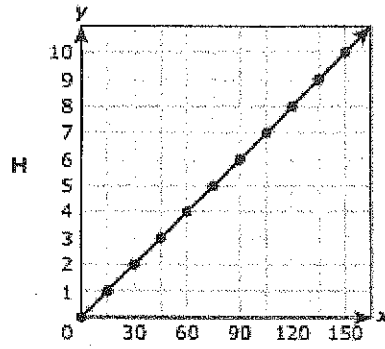
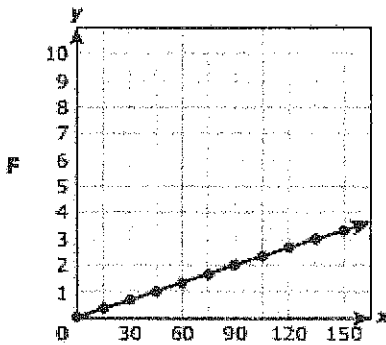
4.)

A tree in Dante's neighborhood grew 18 inches in the first 2 years after it was planted. If the tree continues to grow at this same rate, which graph best represents the growth rate of the tree in inches per year?



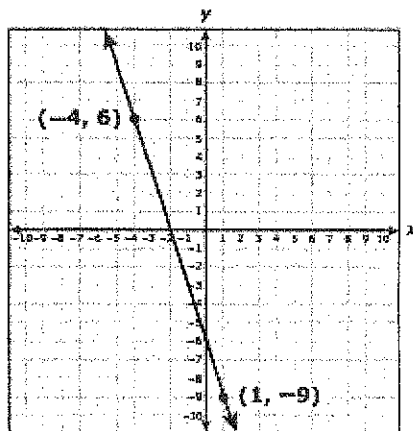
5.)

On a field trip, there are 3 adults for every 45 students. Which graph models a relationship with the same unit rate?



6.)

The graph of a linear function is shown on the coordinate grid.



+	0	0	0	0	0	0	0
-	1	1	1	1	1	1	1
	2	2	2	2	2	2	2
	3	3	3	3	3	3	3
	4	4	4	4	4	4	4
	5	5	5	5	5	5	5
	6	6	6	6	6	6	6
	7	7	7	7	7	7	7
	8	8	8	8	8	8	8
	9	9	9	9	9	9	9

What is the y-intercept of the graph of the linear function?