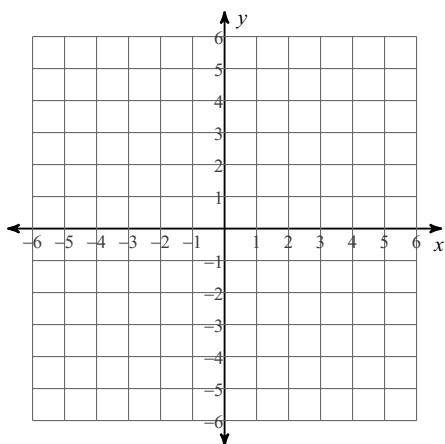


Assignment

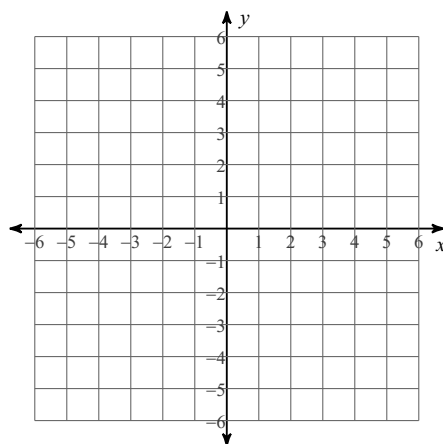
Date _____ Period _____

Sketch the graph of each line.

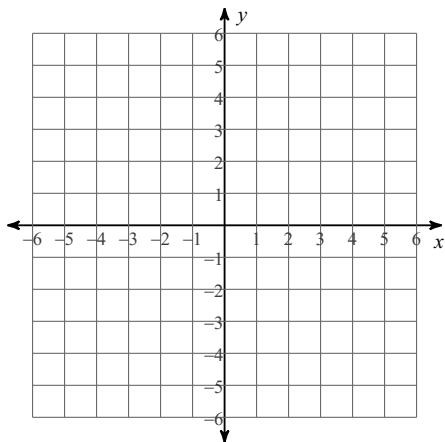
1) $y = \frac{9}{2}x - 5$



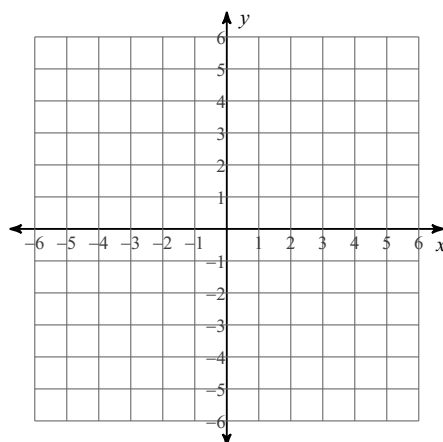
2) $y = \frac{5}{3}x - 2$



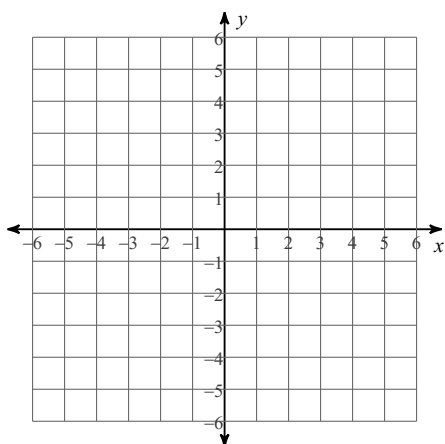
3) $y = -x + 3$



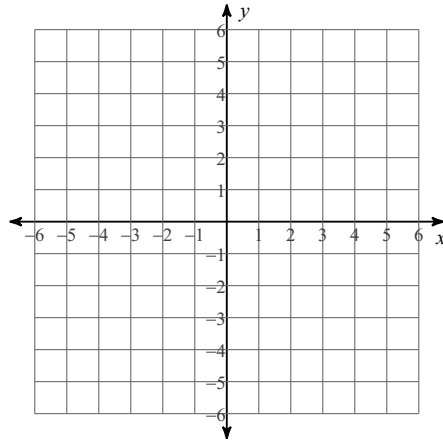
4) $y = \frac{1}{5}x + 1$



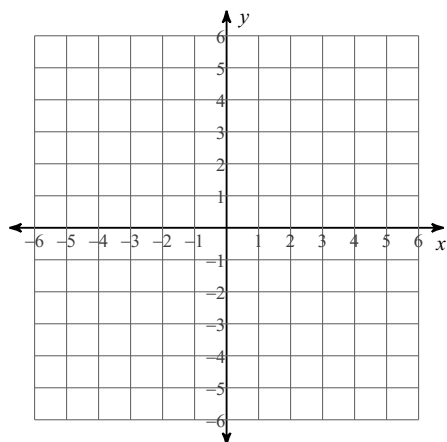
5) $y = \frac{2}{3}x - 3$



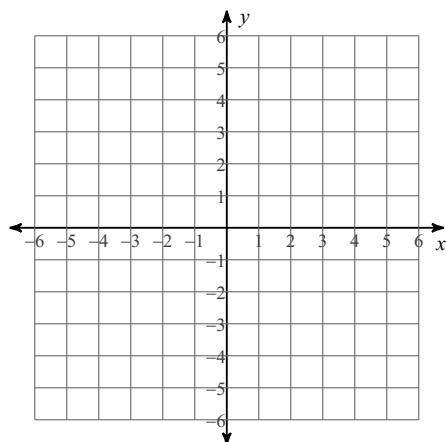
6) $y = -3x + 2$



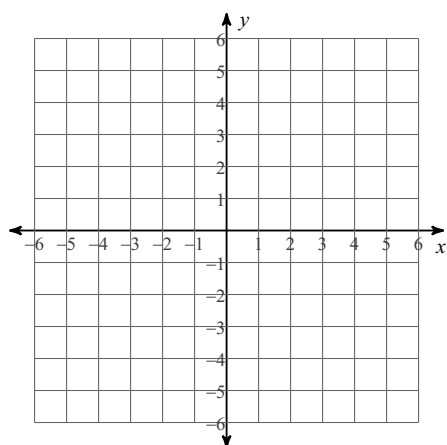
7) $y = \frac{7}{5}x + 3$



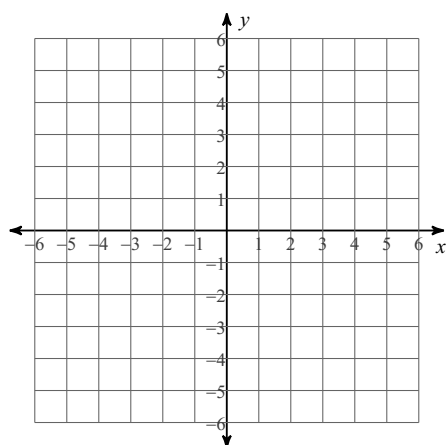
8) $y = \frac{1}{4}x + 1$



9) $4x + 3y = -6$



10) $2x - y = -1$



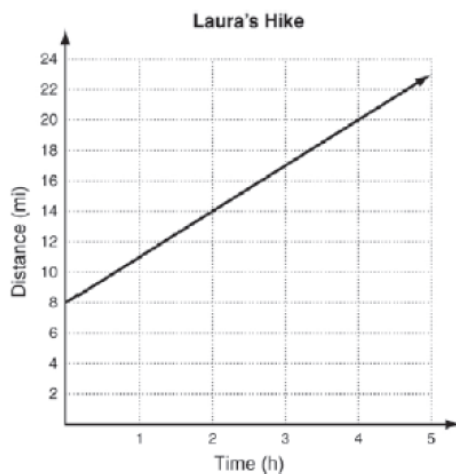
Laura is on a two-day hike in the Smoky Mountains. She hiked 8 miles on the first day and is hiking at a rate of 3 mi/h on the second day. Her total distance as a function of time is shown in the graph. Select the best answer.

4. Which equation represents Laura's total distance as a function of time?

A $y = 3x$	C $y = 3x + 8$
B $y = 8x$	D $y = 8x + 3$
5. What does the slope represent?

F Laura's total distance after one day
G Laura's total distance after two days
H the number of miles Laura hiked per hour on the first day
J the number of miles Laura hikes per hour on the second day
6. What does the y-intercept represent?

A Laura's total distance after one day
B Laura's total distance after two days
C the number of miles Laura hiked per hour on the first day
D the number of miles Laura hikes per hour on the second day



7. What will be Laura's total distance if she hikes for 6 hours on the second day?

F 14 miles	H 26 miles
G 18 miles	J 28 miles