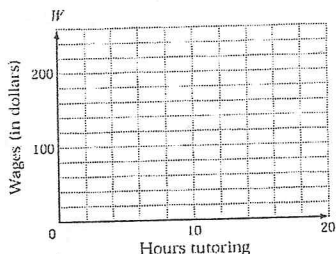


Name _____

Score _____

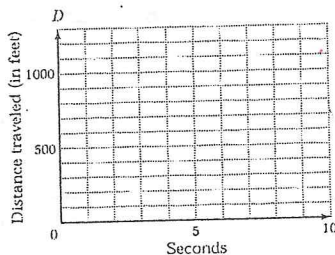
Solve.

1. Loren receives \$10 per hour as a mathematics tutor. The equation that describes her wages is $w = 10t$, where t is the number of hours she spends tutoring. Graph this equation for $0 \leq t \leq 20$. The ordered pair (16, 160) is on the graph. Write a sentence that describes the meaning of this ordered pair.



1. _____

2. A roller coaster has a maximum speed of 99 ft/s. The equation that describes the total number of feet traveled by the roller coaster in t seconds at this speed is given by $D = 99t$. Graph this equation for $0 \leq t \leq 10$. The point (6, 594) is on this graph. Write a sentence that describes the meaning of this ordered pair.



2. _____

Additional Objective 3.4.1 Exercises

Find the slope of the line containing the points.

1. $P_1(1, -3), P_2(5, -1)$ 2. $P_1(-6, 7), P_2(2, 3)$ 3. $P_1(0, -3), P_2(-1, 0)$
4. $P_1(1, 2), P_2(3, 4)$ 5. $P_1(3, 2), P_2(2, 1)$

1. _____

2. _____

3. _____

4. _____

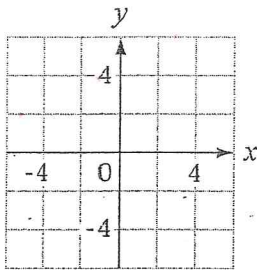
5. _____

Name _____

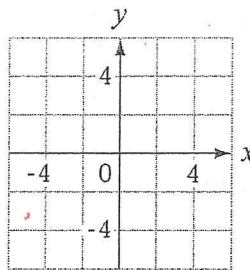
Score _____

Graph by using the slope and the y-intercept.

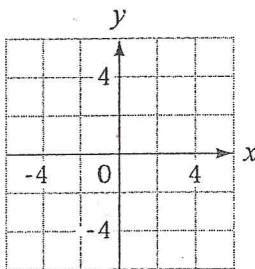
1. $y = \frac{1}{2}x + 3$



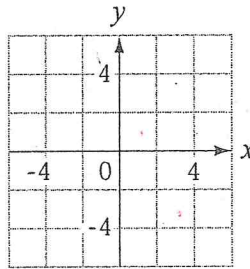
2. $y = \frac{3}{2}x + 2$



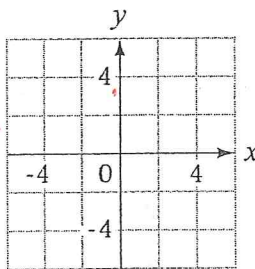
5. $3x - y = 3$



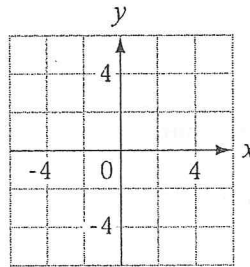
6. $2x + y = 4$



7. Graph the line that passes through point (1, 2) and has slope $\frac{1}{3}$.



8. Graph the line that passes through point (-2, 1) and has slope -1.



Additional Objective 3.5.1 Exercises

Find the equation of the line that contains the given point and has the given slope.

1. Point (0, 5). $m = -3$

2. Point (-2, 0). $m = 4$

1. _____

2. _____

3. Point (1, 2). $m = \frac{1}{3}$

4. Point (3, -2). $m = -\frac{1}{3}$

3. _____

4. _____

5. _____