

# Chapter Test B

For use after Chapter 4

Decide whether the given ordered pair is a solution of the equation.

1.  $5x + 3y = 2$ ;  $(2, -\frac{4}{5})$

2.  $\frac{1}{2}x + 4 = 10y$ ;  $(2, \frac{1}{2})$

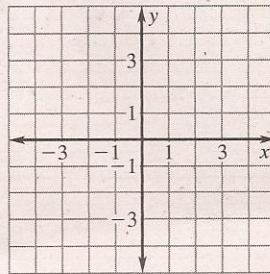
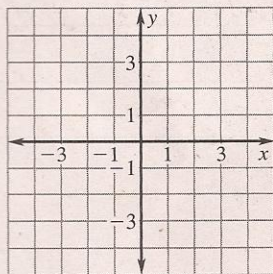
In Questions 3 and 4, use a table of values to graph the equation.

3.  $y = \frac{1}{4}x - 2$

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

x			
y			

x			
y			



Find the x-intercept of the graph of the equation.

5.  $4x + 5y = 8$

6.  $3y - 10x = 4$

Find the y-intercept of the graph of the equation.

7.  $7 - 12x = 3y$

8.  $4y + 9 = 5x$

Find the slope of the line passing through the points.

9.  $(-4, 6), (-3, 2)$

10.  $(-10, -7), (1, -2)$

Find the value of y so that the line passing through the two points has the given slope.

11.  $(6, y), (3, 3), m = \frac{2}{3}$

12.  $(8, y), (2, -3), m = \frac{1}{2}$

13. In 1992, a software company had a profit of \$30,000,000. In 1998, the company had a profit of \$210,000,000. Find the average rate of change of the company's profit in dollars per year.

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. Use grid at left. \_\_\_\_\_
4. Use grid at left. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_