

# Graphing and Making Tables

Sketch the graph of each function. Give the Domain, Range and the interval of increase or decrease.

1.  $f(x) = -4x + 4$

2.  $f(x) = \frac{1}{2}x - 1$

3.  $f(x) = \frac{-1}{3}x + 1$

4.  $f(x) = \frac{-3}{4}x + 4$

5.  $f(x) = 3x + 2$

6.  $f(x) = x$

Solve each equation for  $y$  as a function of  $x$ . Then Graph the equation. Also, list the functions domain and range and the interval of increase or decrease.

1.  $5y - 2x = 15$

2.  $-2y + 10x = 8$

3.  $-4x = 2y - 16$

4.  $-2x + 5y - 6 = -11$

5.  $4x - 8x + 4 = 2y - 5$

6.  $4x + 2(y - 3) = 10$

Solve each equation for  $y$  as a function of  $x$ .  
Then make a table of values for  $x = -3, -1, 0, 5$

1.  $y + 9x = 4$

2.  $5y - 2x = 15$

3.  $-4y - 8 = 12x$

4.  $3y - 6 = 9 - 2x$

5.  $2y - 7 = 3x$

6.  $4y + 2(x - 3) = 10$

Solve each equation for  $y$  as a function of  $x$ .

1.  $\frac{y}{5} + 9 = 4x$

2.  $\frac{5y}{6} - 2 = 10$

3.  $\frac{5}{3}x - \frac{7}{2}y = -8$

4.  $\frac{3}{4}x - \frac{6}{5}y = 9$

5.  $\frac{2}{5}y - \frac{7}{2}x = 2$

6.  $\frac{2}{5}y - \frac{7}{2}x = \frac{2}{5}x - \frac{3}{4}$