

1. Find the point of intersection for each pair of lines by graphing.

(a)  $y = -\frac{1}{2}x + 4$     $y = 3x - 3$

(b)  $y = 2x - 1$     $y = -x - 4$

(c)  $y = \frac{2}{3}x + 1$     $y = -2x + 9$

(d)  $y = -\frac{2}{3}x + 5$     $y = \frac{1}{2}x - 2$

(e)  $y = 5x - 3$     $y = -2x + 4$

(f)  $y = -x + 7$     $y = \frac{3}{2}x + 2$

2. Solve the following systems of linear equations by the method of substitution.

(a)  $2x + y = 6$     $3x + 2y = 10$

(b)  $x + 3y = 2$     $2x + 5y = 3$

(c)  $x - 2y = 4$     $2x - 3y = 7$

(d)  $3x + y = -9$     $5x - 3y = -1$

(e)  $2x + 3y = 6$     $x + y = 3$

(f)  $x - y = 1$     $3x + y = 11$

(g)  $2x - y = 2$     $3x - 2y = 3$

(h)  $x - 8y = 8$     $2x - 8y = 8$