

Use substitution to find where the linear and quadratic equations intersect.

1.  $y = x^2 + 7x + 12$   
 $-8x + 4y = 32$

**STEPS:**

2.  $y = x^2$   
 $6x + 3y = -3$

3.  $y = -x^2 + 6x - 3$   
 $x + y = 7$

4.  $y = -x^2 + 4$   
 $2x - 4y = -20$

5.  $y = x^2 - 4x - 2$   
 $-7x + 7y = -14$

6.  $y = x^2 - 5x + 7$   
 $y = 2x + 1$

7.  $x^2 + y^2 = 13$   
 $y = x + 1$