Solve by Elimination

Level 1: These you will be able to eliminate a variable by adding or subtracting right from the start.

1. $y = x^2 + 5x - 23$
   $y = 2x + 5$

2. $y = x^2 + 2x - 15$ $(-2, 15)$ and $(7, 48)$
   $y = 7x - 1$

3. $y = x^2 + 5x + 9$
   $y = -4x - 9$

4. $y = x^2 - 13x + 19$ $(2, -3)$ and $(10, -11)$
   $y = -x - 1$

5. $x^2 + 3x - y = 60$
   $-5x + y = 3$

Level 2: These you will have to first move some terms around before you can add or subtract to eliminate a variable.

6. $y = x^2 + 3x - 28$ $(-5, -18)$ and $(5, 12)$
   $3x - y = 3$

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

8. $y = x^2 - x - 1$ $(-3, 11)$ and $(-4, 19)$
   $-8x - y = 13$