

Solve by linear combination and check.

**1. $x + y = 1$
 $x - y = 5$**

**2. $x + y = 14$
 $x - y = 22$**

**3. $a - b = -1$
 $-a + 2b = 4$**

**4. $-m + 3n = 5$
 $m - 2n = 25$**

**5. $2x + y = -5$
 $2x + 3y = 10$**

**6. $x + 2y = 1$
 $2x + y = 12$**

**7. $x + 2y = 1$
 $2x - y = -23$**

**8. $r - s = 5$
 $2r + 3s = -20$**

Solve the following systems of equations by Substitution, and check:

**1. $y = 2x - 1$
 $x + 4y = 23$**

**2. $y = 4x + 2$
 $y = 6\frac{1}{2} - 5x$**

**3. $2x + 3y = -1$
 $x = 3y - 23$**

**4. $x = -6y - 1$
 $3y - 2x = 12$**

**5. $x = 1 - 4y$
 $2x + y = -6\frac{3}{4}$**

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

**7. $x = 34 - 5y$
 $7x - 6y = 33$**

**8. $2x + 3y = 5$
 $y = x$**