Simultaneous Equations

1. Solve the following simultaneous equations :

   $x + y + 8 = 0$ and

   $x - y = 2$

2. Solve the following simultaneous equations :

   $x + 2y = 12$ and

   $x - 3y = 2$

3. Solve the following simultaneous equations :

   $7x - 3y = -6$ and

   $x + 5y = 10$

4. Solve the following simultaneous equations :

   $2x + 3y = 47$ and

   $4x - y = 45$

5. If $2x + y = 7$ and $3x - 2y = 3$, by how much is $7x$ greater than 10 ?

6. Solve the equations $y = 3x$ and $4y - 5x = 14$

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