

(C1-3.2a) Name:

Homework Questions 2 – Simultaneous Equations by Substitution

Solve the following linear – linear simultaneous equations by substitution

1. $y = 2x - 10$
 $x + y = 2$

2. $y = x + 3$
 $y - 3x + 13 = 0$

3. $x = y + 1$
 $3x + 2y = 2$

$$\begin{array}{l} x = 4 \\ y = -2 \end{array}$$

4. $y = 3x - 5$
 $y = x - 1$

$$\begin{array}{l} m = 8 \\ p = 11 \end{array}$$

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

$$\begin{array}{l} x = 0.8 \\ y = -0.2 \end{array}$$

6. $y = 10x + 3$
 $5x + 3y = 16$

$$\begin{array}{l} a = 2 \\ b = 1 \end{array}$$

7. $x = y - 8$
 $2x + 3y = 9$

$$\begin{array}{l} x = 7 \\ y = 13 \end{array}$$

8. $x = y - 2$
 $3y - x = 0$

$$\begin{array}{l} x = 0.2 \\ y = 5 \end{array}$$

$$\begin{array}{l} x = -3 \\ y = 5 \end{array}$$

$$\begin{array}{l} x = -3 \\ y = -1 \end{array}$$