Homework Questions 2 – Simultaneous Equations by Substitution

Solve the following linear – linear simultaneous equations by substitution

1. $y = 2x - 10$

    $x + y = 2$

2. $y = x + 3$

    $y - 3x + 13 = 0$

$x = 4$
$y = -2$

$m = 8$
$p = 11$

3. $x = y + 1$

    $3x + 2y = 2$

4. $y = 3x - 5$

    $y = x - 1$

$x = 0{\cdot}8$
$y = -0{\cdot}2$

$a = 2$
$b = 1$

5. $y = 2x - 1$

    $y = x + 6$

6. $y = 10x + 3$

    $5x + 3y = 16$

$x = 7$
$y = 13$

$x = 0{\cdot}2$
$y = 5$

7. $x = y - 8$

    $2x + 3y = 9$

8. $x = y - 2$

    $3y - x = 0$

$x = -3$
$y = 5$

$x = -3$
$y = -1$