

Questions - Solving Linear Simultaneous Equations using the substitution method

Solve these simultaneous equations.

1 $y = x - 4$
 $2x + 5y = 43$

2 $y = 2x - 3$
 $5x - 3y = 11$

3 $2y = 4x + 5$
 $9x + 5y = 22$

4 $2x = y - 2$
 $8x - 5y = -11$

5 $3x + 4y = 8$
 $2x - y = -13$

6 $3y = 4x - 7$
 $2y = 3x - 4$

7 $3x = y - 1$
 $2y - 2x = 3$

8 $3x + 2y + 1 = 0$
 $4y = 8 - x$

Extend

9 Solve the simultaneous equations $3x + 5y - 20 = 0$ and $2(x + y) = \frac{3(y - x)}{4}$.