Equations

Make the pronumeral the subject of the formula

e.g. (*i*) $x + 3 = 6$

$$x = 6 - 3$$

$$x = 3$$

(*ii*) $5z = 45$

$$z = \frac{45}{5}$$

$$z = 9$$

(*iii*) $4(a - 5) = 16$

$$4a - 20 = 16$$

$$4a = 36$$

$$a = 9$$

(*iv*) $3z + 2 = z - 9$

$$2z = -11$$

$$z = -\frac{11}{2}$$

(*v*) $\frac{5}{7y} + \frac{2}{y} = 3$

$$5 + 14 = 21y$$

$$21y = 19$$

$$y = \frac{19}{21}$$

(*vi*) $\frac{x + 3}{5} = \frac{2x - 6}{3}$

$$3x + 9 = 10x - 30$$

$$7x = 39$$

$$x = \frac{39}{7}$$

Exercise 1E; 2e, 3fjl, 4cgij, 5acf, 6bd, 7c, 8bd, 9aceg, 10bd, 11a*, 12*