

Changing the subject of a formula

1. Change the subject of each formula to x .

(a) $y = x - 3$

(b) $y = x + b$

(c) $y = 3x$

(d) $y = 3p + x$

[1, 1, 1, 1]

2. Make a the subject of each formula.

(a) $c = 7 + a$

(b) $g = a - 2x$

[1, 1]

3. Change the subject of the formula to x .

(a) $y = ax + b$

(b) $k = h - mx$

[2, 2]

4. Change the subject of each formula to the letter shown in brackets.

(a) $P = 6l$

(l)

(b) $V = IR$

(I)

(c) $P = 2w + 2b$

(b)

[1, 1, 2]

5. Change the subject of each formula to y .

(a) $v = \frac{1}{2}y$

(b) $c = \frac{1}{5}y$

[1, 1]

6. Make x the subject of each formula.

(a) $a = \frac{7}{x}$

(b) $m = \frac{y}{x}$

(c) $p = \frac{3}{x} - 2$

[2, 2, 3]

[23 marks]