

Rearranging formulae

Rearrange each of these formulae to make d the subject:

(a) $c = 3d + 2$ (b) $c = 4d + 5$ (c) $c = 5d - 6$
(d) $c = 7d + 8$ (e) $c = \frac{1}{2}d + 3$ (f) $c = \frac{1}{3}d - 4$

Make x the subject of the formula:

(a) $y = 3x + 5$ (b) $y = 4x - 7$ (c) $y = 2(x + 3)$
(d) $y = 3(x - 5)$ (e) $y = \frac{x - 4}{3}$ (f) $y = \frac{x + 5}{9}$
(g) $y = \frac{x}{3} + 4$ (h) $y = \frac{x}{2} - 7$ (i) $y = \frac{2x - 3}{6}$

Rearrange each of these formulae to make b the subject:

(a) $a = 4b - 3$ (b) $a = 3(b + 2)$ (c) $a = 2(b - 3)$
(d) $a = \frac{b - 3}{4}$ (e) $a = \frac{b + 4}{2}$ (f) $a = \frac{b + 3}{22}$
(g) $a = \frac{b}{2} - 3$ (h) $a = 2(b + 4) + 3(b - 2)$