

## Rearranging formulae - solutions

1. (a)  $d = \frac{c-2}{3}$       (b)  $d = \frac{c-5}{4}$       (c)  $d = \frac{c+6}{5}$   
(d)  $d = \frac{1}{7}(c-8)$       (e)  $d = 2c-6$       (f)  $d = 3c+12$

2. (a)  $x = \frac{y-5}{3}$       (b)  $x = \frac{1}{4}(y+7)$       (c)  $x = \frac{1}{2}y-3$   
(d)  $x = \frac{y}{3}+5$       (e)  $x = 3y+4$       (f)  $x = 9y-5$

(g)  $x = 3y-12$       (h)  $x = 2y+14$       (i)  $6y = 2x-3$   
 $x = \frac{6y+3}{2}$

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

(g)  $\frac{1}{2}b = a+3$       (h)  $a = 2b+8+3b-6$   
 $b = 2a+6$        $a = 5b+2$   
 $b = \frac{a-2}{5}$