



Equations with brackets

1 Solve these equations

a) $2(x + 4) = 10$

b) $3(x + 5) = 2x$

c) $5x = 2(x + 12)$

d) $4(a - 2) = 3(a + 12)$

e) $3(x + 9) = 12x$

f) $6(x - 2) = 24$

g) $4(x - 2) = 7$

h) $2(x - 7) = x + 2$

i) $5a = 2(a + 12)$

j) $6(t + 5) = 48$

k) $40 = 5(a - 3)$

l) $26 = 4(m - 1)$

m) $9y = 6(y + 10)$

n) $144 = 12(8 - t)$

o) $3(x + 10) = 60$

2 Solve these equations

a) $12 + 3p = 4(1 + p)$

b) $5(x + 1) = 3(x + 4)$

c) $5(m + 8) = 2(m + 10)$

d) $4(3b - 1) = 2(4b + 6)$

e) $6(y - 1) = 3(y + 8)$

f) $4(m + 2) = 2(m + 8)$

g) $5b - 2 = 4(2b + 6)$

h) $5(2a - 3) = 8 - (a - 10)$

i) $2(t - 4) + 3(t + 3) = 36$

j) $8y - 2(y - 8) = 4(y + 8)$

k) $2(2x - 1) + 3(x - 4) = 14$

l) $3(m - 6) - (m + 6) = 12$

m) $6x + (x - 8) = 41$

n) $40 - 5(7 - m) = 3(m + 1)$

o) $20 - (x + 18) = 5(x + 2)$