

Expanding Brackets #13

Date:

Name:

(<http://www.learnersgrid.com>)

For the expressions below, simplify by multiplying out of the bracket(s)

a)

$$2(x + 1)$$

b)

$$4(x + 2)$$

c)

$$4(3y - 8)$$

d)

$$4(h - 7)$$

e)

$$2(-3y - 8)$$

f)

$$3(-7h - 6)$$

g)

$$-5(-3m - 5)$$

h)

$$-5(-y - 6)$$

k)

$$-8(-4 + 6n)$$

m)

$$-5(-3y + 7)$$

n)

$$-5(5m - 3)$$

p)

$$-5(y - 5)$$

q)

$$-2(5m + 4)$$

r)

$$-4(y + 9)$$

i)

$$11(4y + 5) - 4y$$

ii)

$$-10 + 7(1 + 9y)$$

iii)

$$2(x + 4y - 3)$$

iv)

$$5g(2g - 11)$$

v)

$$3p(3 + 4p)$$

vi)

$$2a(b - 5)$$

vii)

$$6x(10y + 5)$$

viii)

$$8w(5m - 2y)$$

ix)

$$3(5g + 3) + 10(g + 7)$$

x)

$$9(7y + 4) - 6(4 + y)$$

ANSWERS

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For the expressions below, simplify by multiplying out of the bracket(s)

a)

$$2x + 2$$

b)

$$4x + 8$$

c)

$$12y - 32$$

d)

$$4h - 28$$

e)

$$-6 - 16y$$

f)

$$-21 - 18h$$

g)

$$15m + 25$$

h)

$$5y + 30$$

k)

$$32 - 48n$$

m)

$$15y - 35$$

n)

$$-25m + 15$$

p)

$$-5y + 25$$

q)

$$-10m - 8$$

r)

$$-4y - 36$$

i)

$$40y + 55$$

ii)

$$-3 + 63y$$

iii)

$$2x + 8y - 6$$

iv)

$$10g^2 - 55g$$

v)

$$9p + 12p^2$$

vi)

$$2ab + 10a$$

vii)

$$60xy + 30x$$

viii)

$$40wm - 16wy$$

ix)

$$25g + 79$$

x)

$$57y + 12$$