

Warm - up

Expand

a) $3(x + 9)$

b) $-2(2x - 3)$

c) $4x(3x + 2)$

Do you remember how to simplify:

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

Example 1) Solve each equation.

a) $2(4x - 3) = 26$

Steps:

1. "Share" the 2 with everything in the brackets by multiplying.

2. Isolate the variable term by "undoing" math operations.

b) $3(-3x + 4) = -33$

c) $32 - 5y = 4(7 - y)$

Check: