

Ex6

Expanding and simplify the following,

$$4(x + 3) - 2(x + 5)$$

Ex7

Expanding and simplify the following,

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

Q6

Expand,

[a] $5(x + 6) - 3(x - 1)$

[b] $7(x - 5) + 6(x + 2)$

[c] $2(x + 1) - 2(x - 1)$

[d] $3(x + 3) + (x - 8)$

[e] $x(x + 2) + 3(x + 3)$

[f] $x(x - 5) - (x + 4)$

[g] $x(x + 1) + 4(x - 6)$

[h] $x(x - 4) - 2(x - 3)$

Q7

Fill in the missing boxes to make the following true.

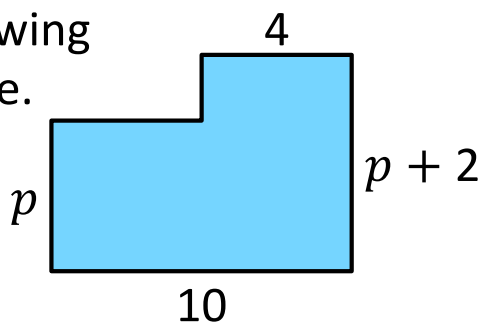
[a] $4(k + \square) + 3(k - 5) = 7k - 3$

[b] $3(2 - r) + \square(6 - 2r) = r - 6$

[c] $2(d - 5) - \square(1 - d) = 7d - 15$

Q8

Find an expanded expression for the area of the following compound shape.

**Q9**

Write an expanded expression for the volume and surface area of the following cuboid.

