

Solving Equations with Unknowns on Both Sides

Solve these equations.

- (a) $3x + 1 = 2x + 9$
- (b) $4x + 1 = 2x + 9$
- (c) $1 + 4x = x + 10$
- (d) $4x - 3 = x$
- (e) $4x - 7 = 2x - 1$
- (f) $x + 2 = 3 + 2x$
- (g) $2x + 3 = 5x + 12$
- (h) $x - 2 = 4x - 14$

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Solve these equations.

- (a) $3x + 7 = 2x + 1$
- (b) $7x + 13 = 2x + 3$
- (c) $x - 8 = 2x + 3$
- (d) $8 - 2x = 4x + 14$

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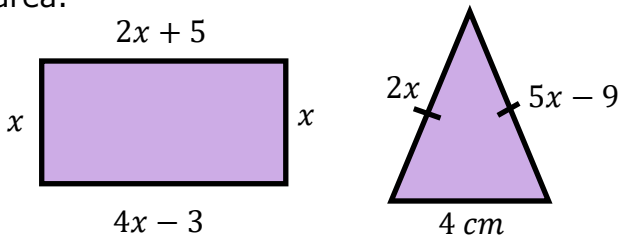
Solve these equations.

- (a) $3x - 1 = x + 6$
- (b) $9 - 2x = 3x - 7$
- (c) $x + 3 = 5x + 7$
- (d) $7x = 4x + 10$

Solve these equations.

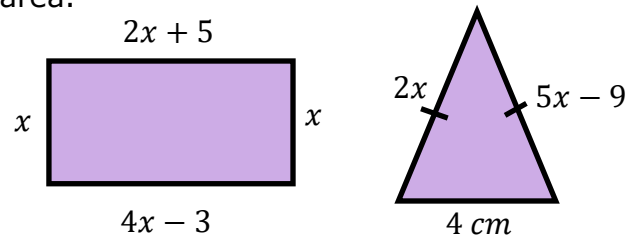
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(a) The rectangle shown has opposite sides of length $(2x + 5)$ cm and $(4x - 3)$ cm. Find the value of x and hence its area.



(b) Given that the triangle shown is isosceles, find the value of x and hence its perimeter.

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