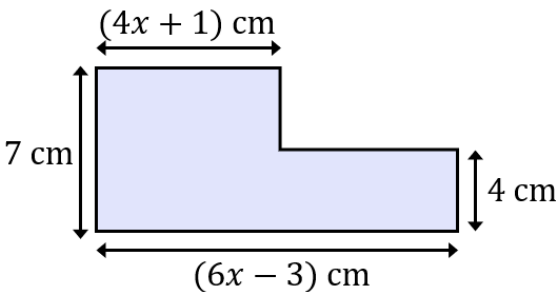
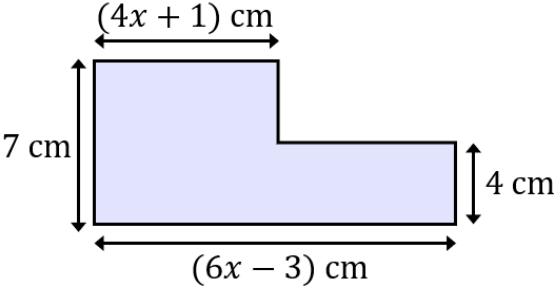


Inequalities

(a)	(b)	(c)
Find the set of values that satisfy the inequalities $7 - 3x \geq 2(x + 1)$ and $4x - 1 < 6x$	Solve $(2x - 7)(3x + 5) < 0$	 The shape shown is made up of two rectangles and all measurements are in cm. The area of the shape is between 63 cm^2 and 81 cm^2. Find the set of possible values of x.
(d)	(e)	
Solve $8x^2 - 5x - 3 \geq 0$	Solve $\frac{2x + 3}{5 - 4x} \leq \frac{2}{3}$	
(f)		(g)
Find algebraically the set of values for which $\frac{2x+3}{4} > x - 1$ and $(x - 3)(2x + 9) > 0$		Find algebraically the set of values which satisfy $4x^2 - 81 < 0$ and $8x^2 + 6x - 5 > 0$

Inequalities

(a)	(b)	(c)
Find the set of values that satisfy the inequalities $7 - 3x \geq 2(x + 1)$ and $4x - 1 < 6x$ $-\frac{1}{2} < x \leq 1$	Solve $(2x - 7)(3x + 5) < 0$ $-\frac{5}{3} < x < \frac{7}{2}$	 The shape shown is made up of two rectangles and all measurements are in cm. The area of the shape is between 63 cm^2 and 81 cm^2. Find the set of possible values of x. $2 < x < 2.5$
(d) Solve $8x^2 - 5x - 3 \geq 0$ $x \leq -\frac{3}{8}$ or $x \geq 1$	(e) Solve $\frac{2x + 3}{5 - 4x} \leq \frac{2}{3}$ $x \leq \frac{1}{2}$	
(f)		(g)
Find algebraically the set of values for which $\frac{2x+3}{4} > x - 1$ and $(x - 3)(2x + 9) > 0$ $3 < x < \frac{7}{2}$ or $x < -\frac{9}{2}$		Find algebraically the set of values which satisfy $4x^2 - 81 < 0$ and $8x^2 + 6x - 5 > 0$ $-\frac{9}{2} < x < -\frac{5}{4}$ or $\frac{1}{2} < x < \frac{9}{2}$