

Year 7 Tutorial - 14

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1. Solve.

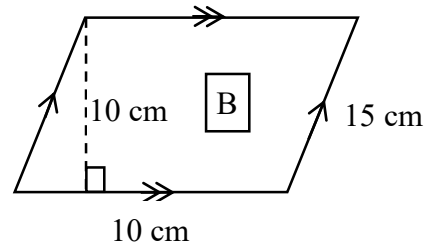
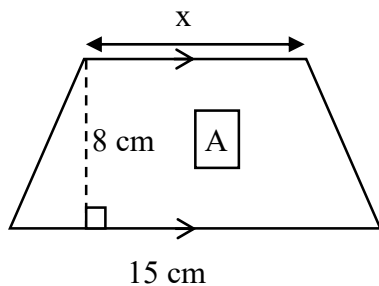
$$\frac{-2}{x+3} = \frac{3}{x-12}$$

2. Expand and simplify.

$$3\left(\frac{x}{3} + 2\right) + 6\left(\frac{x}{2} - 3\right)$$

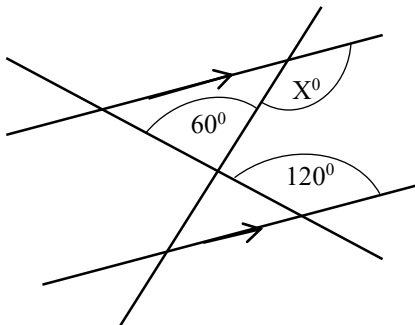
3. Solve; $2x + 7 > 2(2x - 5)$

- 4.



Shape A and B have same surface area. Find x .

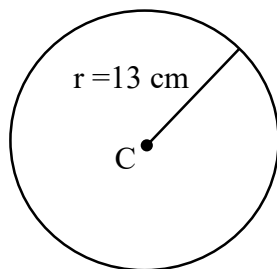
- 5.



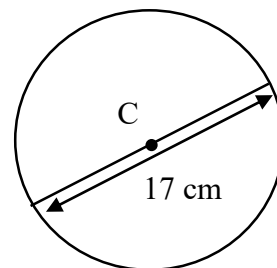
Find x° .

6. Find the area and the circumference of following circles, correct 1 dp.

a)



b)



7. Find area of a circle is 180 cm^2 . Find the radius of the circle correct to 1dp.

8. Find the area of the following sectors. Correct to 1dp.

