

Year 7 Tutorial - 12

mathsalpha.com

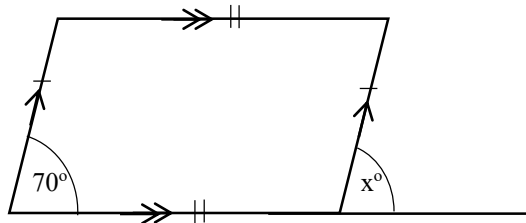
- Expand and simplify, $2\left(\frac{x}{2} - 3\right) - 6\left(\frac{x}{3} - 2\right)$
- Find S , if $u = 7, a = -5, t = 12$ and $S = ut + \frac{1}{2}at^2$
- Solve; $\frac{3}{2x-1} = \frac{-2}{5-x}$
- Solve; $5 - 6(x - 3) \geq 12 - 5x$
- Simplify.

a) $\frac{27x^2y^3}{9x^3y^2}$

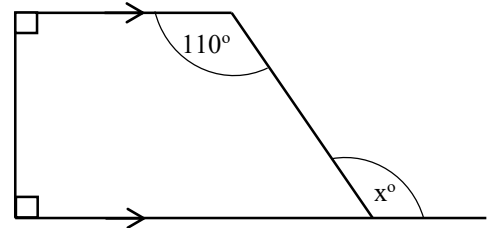
b) $3^5 \times 2^3 \times 3^{-2} \times 2^0$

- Find the unknown angles.

a)

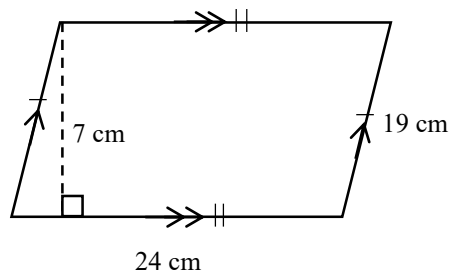


b)

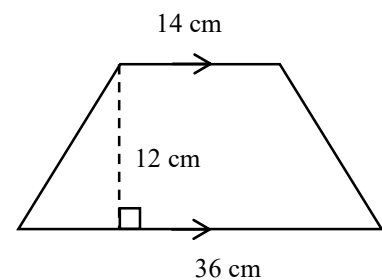


- Find the area of the following shapes.

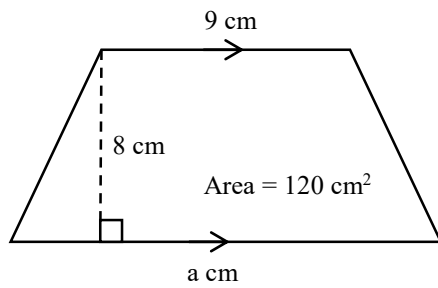
a)



b)

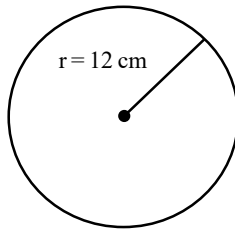


8.

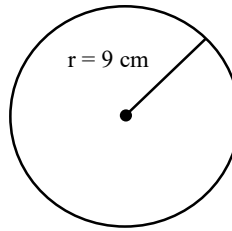
Find a .

9. Find the area of the following circles correct to 1 dp.

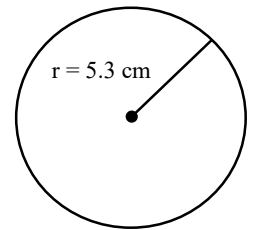
a)



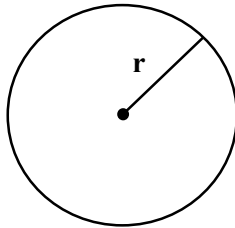
b)



c)



10.



Area of the circle is 150 cm^2 . Find the radius (r) correct to 1 dp.