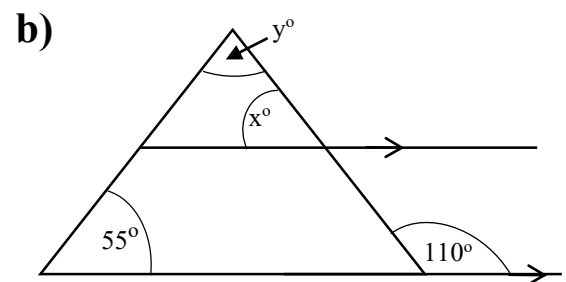
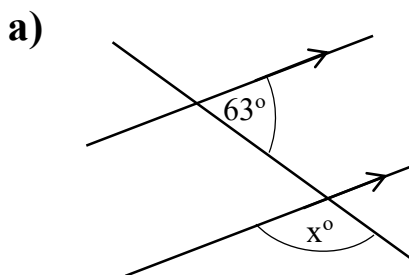


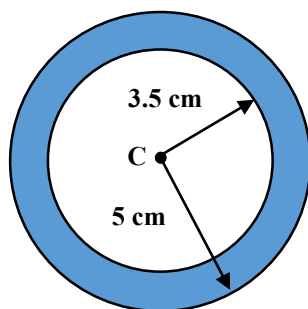
Year 7 Tutorial - 15

mathsalpha.com

1. Expand and simplify, $5(x - 3) - 7(x - 5)$
2. Solve, $\frac{3x+5}{2x-3} = -\frac{2}{3}$
3. Simplify, $3\frac{2}{7} - 2\frac{1}{5}$
4. Simplify, $5\frac{3}{4} \div 3\frac{5}{8}$
5. Find the unknown angles.



6. Find the shaded area.

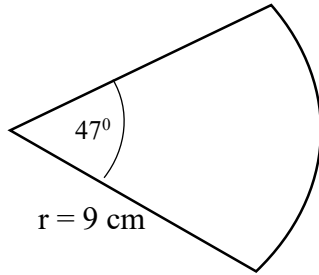


15 cm

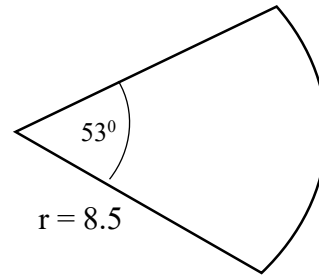
7. The area of a circle is 250 cm^2 . Find the circumference of the circle correct to 1dp.
8. The circumference of a circle is 500 cm . Find the area of the circle, correct to 1dp.

9. Find the area and the arc length of following sectors.

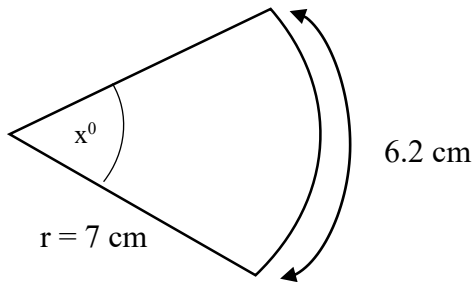
a)



b)

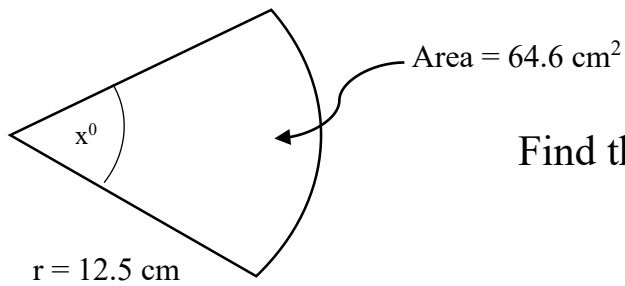


10.



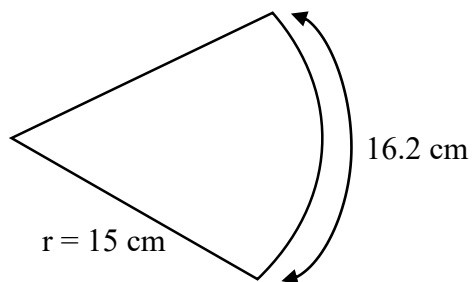
Find the angle x° , nearest to a degree.

11.



Find the angle x° , nearest to a degree

12.



Find the area of the sector, correct to 1dp.