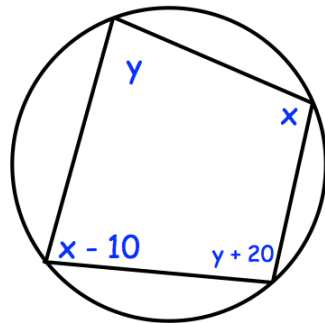
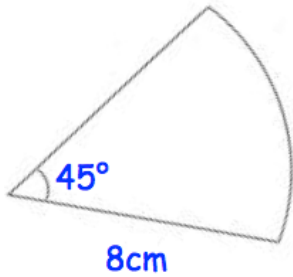


4th January



Corbettmaths

Find the perimeter of the sector.

Find  $x$  and  $y$ .

Solve these simultaneous equations

$$3x - 4y = 18$$
$$2x - 5y = 19$$

$w$  is inversely proportional to  $c$  squared.

When  $w = 100$ ,  $c = 2$ .

Find  $w$  when  $c = 4$ .

Evaluate

$$27^{2/3}$$