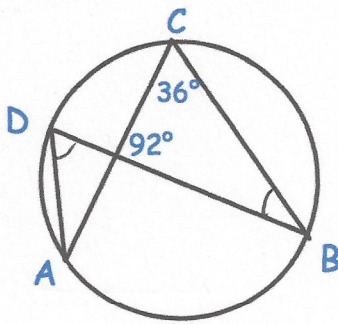


22nd October



Corbettmaths

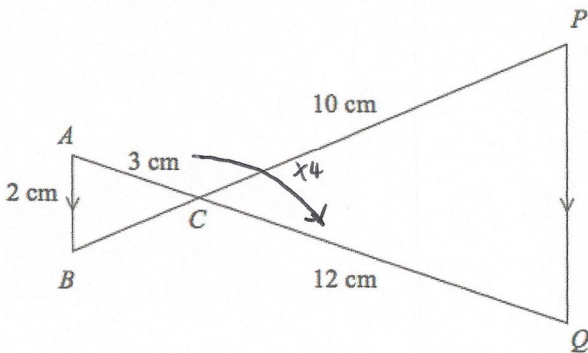


Find the size of angles:  
CBD

$52^\circ$

ADB

$36^\circ$



Find PQ

$8\text{ cm}$

Find BC.

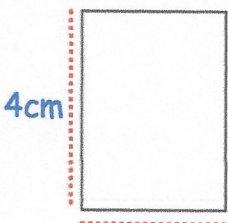
$2.5\text{ cm}$

Calculate the distance between (9, 5) and (2, -19)

$$\sqrt{(9-2)^2 + (5-(-19))^2}$$

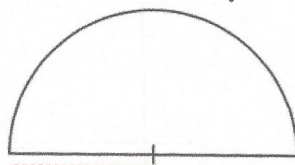
$$\sqrt{7^2 + 24^2}$$

$25\text{ cm}$



$8 + 2y$

$\frac{1}{2}(\pi \times 2y) + 2y$



$\pi y + 2y$

The perimeters are equal.

Find y.

$8 + 2y = \pi y + 2y$

$8 = \pi y$

$y = \frac{8}{\pi} = 2.54648\text{ cm}$