

4th May

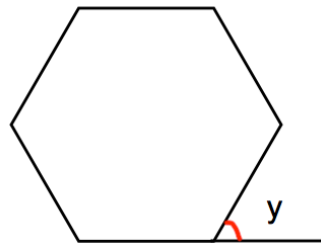


Corbettmaths

Solve

$$3x^2 = 147$$

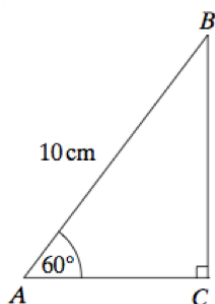
Shown below is a regular hexagon, with an exterior angle labeled y .



$2w$	w	$3w$
$4w$	x	$7x$
$22x$	w	y

Every row adds up to 24.
Find the value of $3w + 2x + y$

A sphere has radius of length 5cm
Calculate its surface area.



Calculate the length of AC