

5th August



Corbettmaths

Simplify

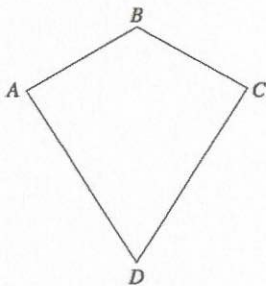
$$3a + 3a + 3a$$

$$9a$$

Simplify

$$a \times a$$

$$a^2$$



Is AB perpendicular to BC?

No

Does Angle B = Angle D?

No

Work out the midpoint of AB, if

A is the coordinate (5, 1)

B is the coordinate (9, 12)

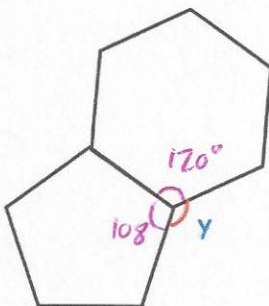
$$(7, 6.5)$$

Mary cycles at 20mph for $1\frac{3}{4}$ hours.

How far does she cycle?

$$20 \times 1.75 = 35$$

35 miles



Shown is a regular hexagon and regular pentagon.

Find y.

$$132^\circ$$