

Shown is a regular hexagon and a square.

$$120 + 90 = 210$$

Find  $y$ .

$$360 - 210 = 150^\circ$$

Solve

$$3(x + 12) = x + 6$$

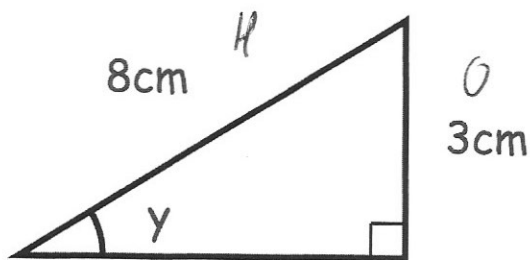
$$3x + 36 = x + 6$$

$$2x + 36 = 6$$

$$2x = -30$$

$$x = -15$$

$$x = -15$$



Calculate angle  $y$

$$\sin y = \frac{3}{8}$$

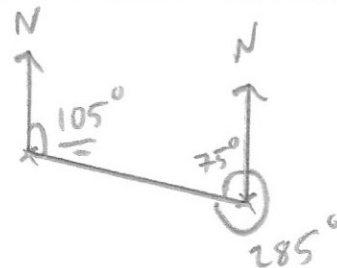
$$y = \sin^{-1} \frac{3}{8}$$

$$= 22.02^\circ$$

The bearing of A from B is  $285^\circ$

Work out the bearing of B from A.

$$105^\circ$$



Convert  $1.5\text{m}^2$  into  $\text{cm}^2$

$$1\text{m}^2 = 10000\text{cm}^2$$

$$1.5 \times 10000$$

$$= 15000\text{cm}^2$$

Convert  $58,000,000,000\text{cm}^3$  into  $\text{m}^3$

$$1\text{m}^3 = 1000000\text{cm}^3$$

$$58000000000 \div 1000000$$

$$58000\text{m}^3$$