

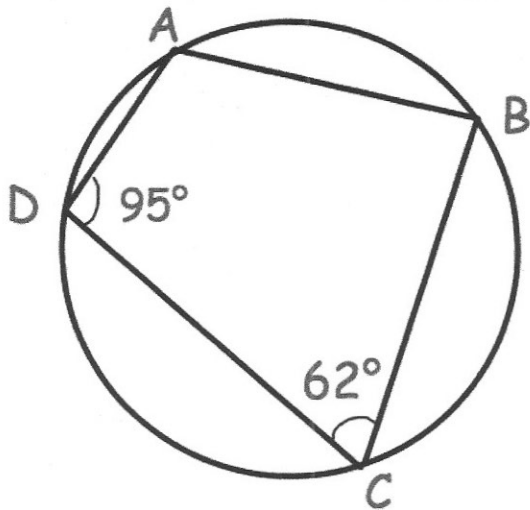


Make x the subject of $T = 2x^3 - y$

$$T + y = 2x^3$$

$$\frac{T+y}{2} = x^3$$

$$x = \sqrt[3]{\frac{T+y}{2}}$$



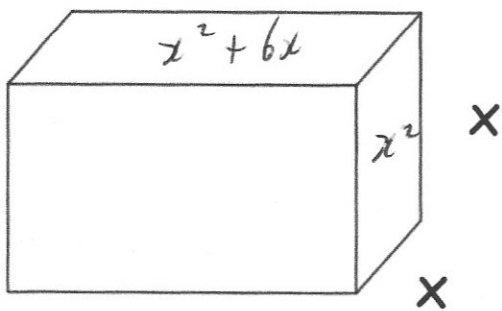
Find angle ABC

$$180 - 95 = 85^\circ$$

Find angle DAB

$$180 - 62 = 118^\circ$$

$$x + 6$$



Show $x^2 + 4x - 45 = 0$

$$6x^2 + 24x - 270 = 0$$

$$x^2 + 4x - 45 = 0$$

The surface area of the cuboid is 270cm^2 .

$$2x^2 + 4(x^2 + 6x) = 270$$

$$2x^2 + 4x^2 + 24x = 270$$

Find x .

$$(x+9)(x-5) = 0$$

$$x = -9 \quad \text{or} \quad x = 5$$

x ✓