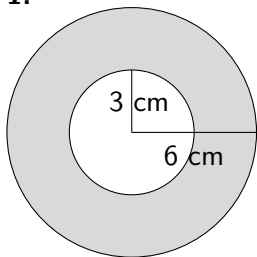
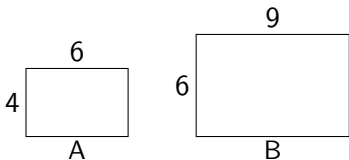


1.

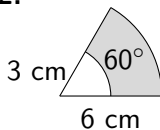


Find the shaded area.

3.

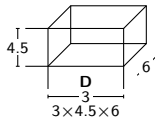
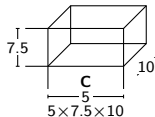
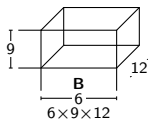
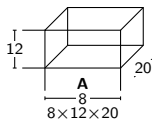
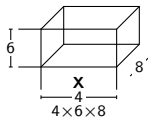
Find the scale factor mapping $A \rightarrow B$.

2.

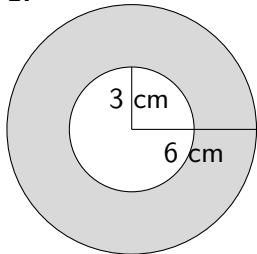


Find the shaded area.

4.



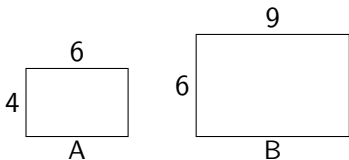
1.



Find the shaded area.

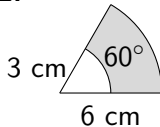
$$\text{Area} = 27\pi \text{ cm}^2$$

3.

Find the scale factor mapping $A \rightarrow B$.

$$\text{Scale factor} = 1.5$$

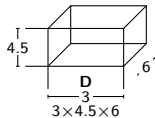
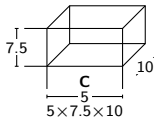
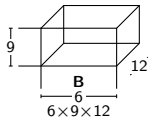
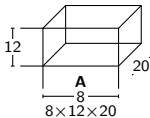
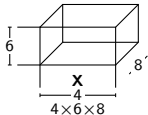
2.



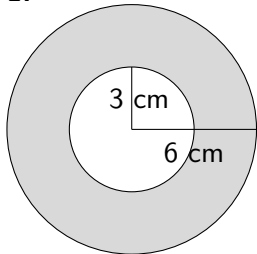
Find the shaded area.

$$\frac{1}{6} \times 27\pi = 4.5\pi \text{ cm}^2$$

4.

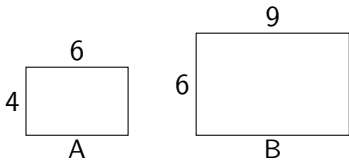


1.



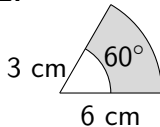
$$\pi 6^2 - \pi 3^2 = 27\pi \text{ cm}^2$$

3.



Scale factor = 1.5

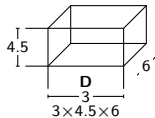
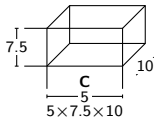
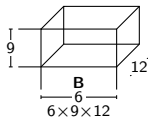
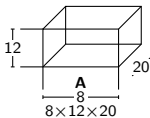
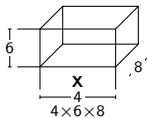
2.



$$\frac{60}{360} \times 27\pi = \frac{1}{6} \times 27\pi$$

$$= 4.5\pi \text{ cm}^2$$

4.



Similar shapes: B, C, D