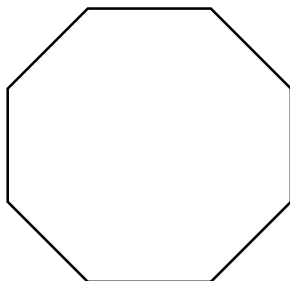


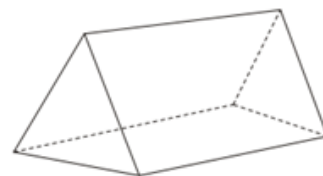
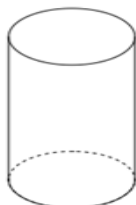
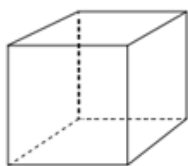
1. Name this polygon.



*Octagon*

(1 mark)

2.



Name.....*Cube*.....

Name.....*Cylinder*.....

Name.....*Triangular prism*.....

Faces.....*6*.....

Faces.....*3*.....

Faces.....*5*.....

Vertices.....*8*.....

Vertices.....*0*.....

Vertices.....*6*.....

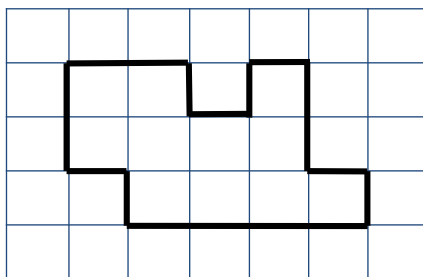
Edges.....*12*.....

Edges.....*2*.....

Edges.....*9*.....

(9 marks)

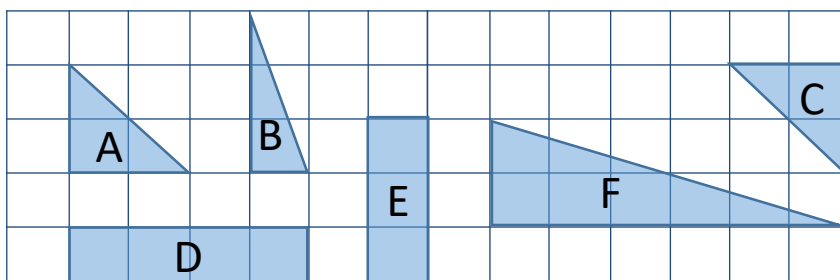
3. Calculate the perimeter of this shape.



*18cm*

(1 mark)

4.



(i) Which two shapes are congruent.

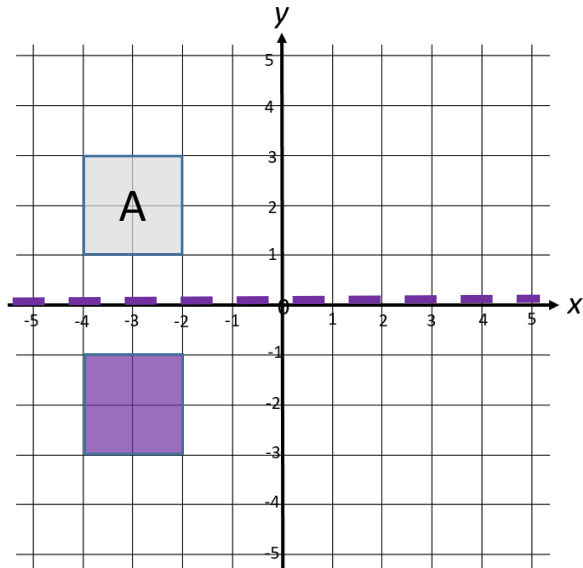
*A*.....and.....*C*.....

(ii) Which two shapes are similar.

*B*.....and.....*F*.....

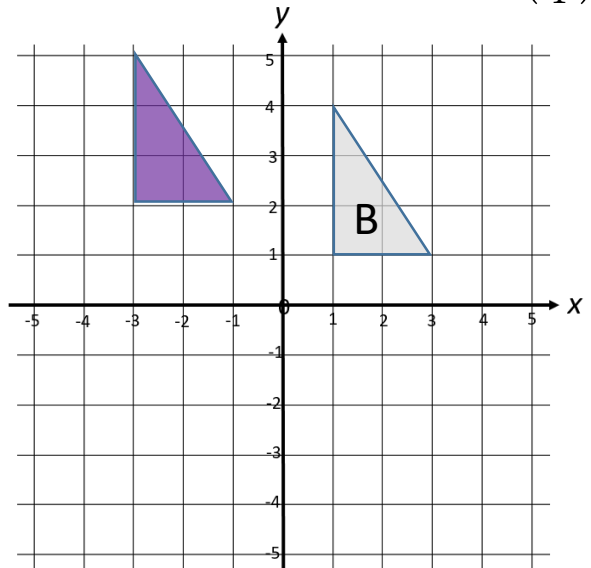
(2 marks)

5. Reflect shape A in the line  $x$  axis



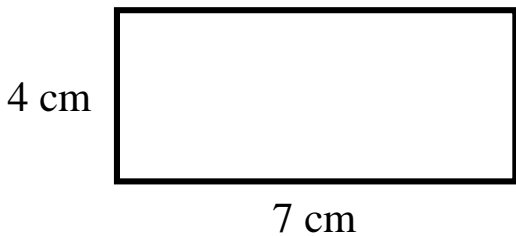
(2 marks)

6. Translate shape B by the vector  $\begin{pmatrix} -4 \\ 1 \end{pmatrix}$



(2 marks)

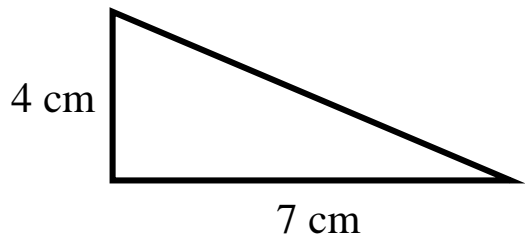
7. Calculate the area of this shape.



$28\text{cm}^2$

(2 marks)

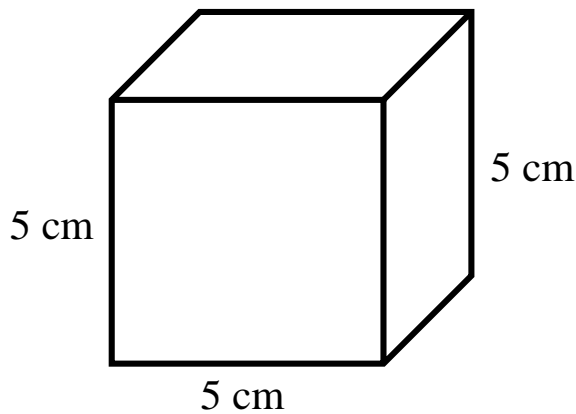
8. Calculate the area of this shape.



$14\text{cm}^2$

(2 marks)

9. Calculate the volume and surface area of the cube below.



Volume =  $125\text{cm}^3$

Surface area =  $150\text{cm}^2$

(5 marks)

Score =