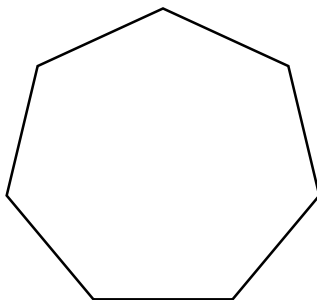


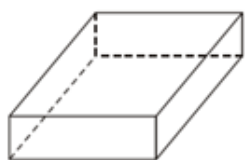
1. Name this polygon.



Heptagon

(1 mark)

2.

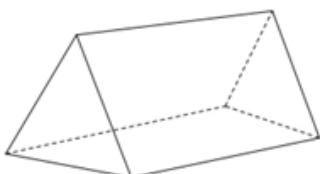


Name.....*Cuboid*.....

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

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

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



Triangular

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

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

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

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



Square based

Name.....*pyramid*.....

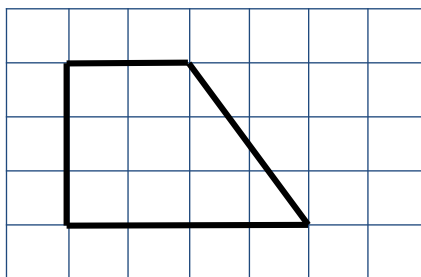
Faces.....*5*.....

Vertices.....*5*.....

Edges.....*8*.....

(9 marks)

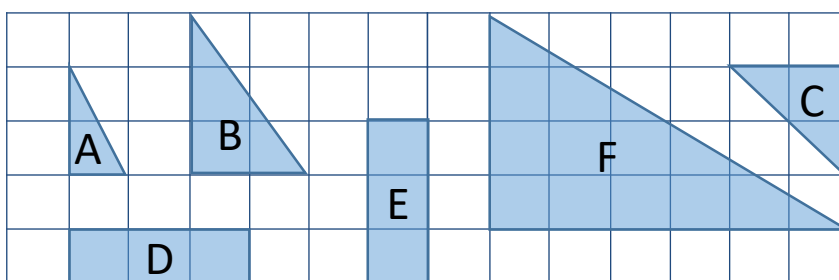
3. Calculate the area of this shape.



9cm²

(1 mark)

4.



(i) Which two shapes are congruent.

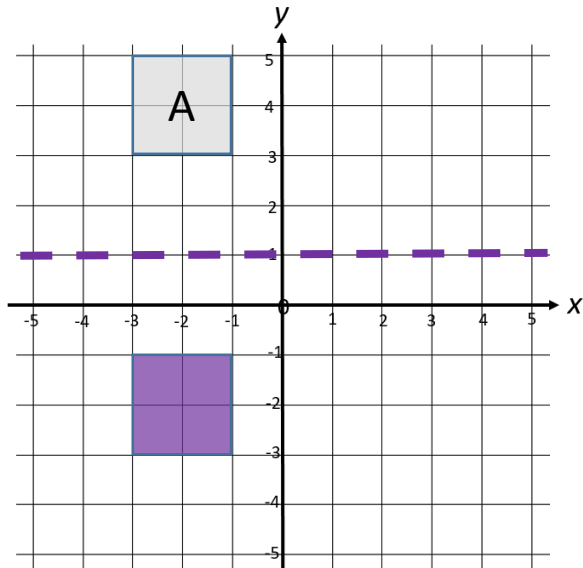
D.....and.....*E*.....

(ii) Which two shapes are similar.

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

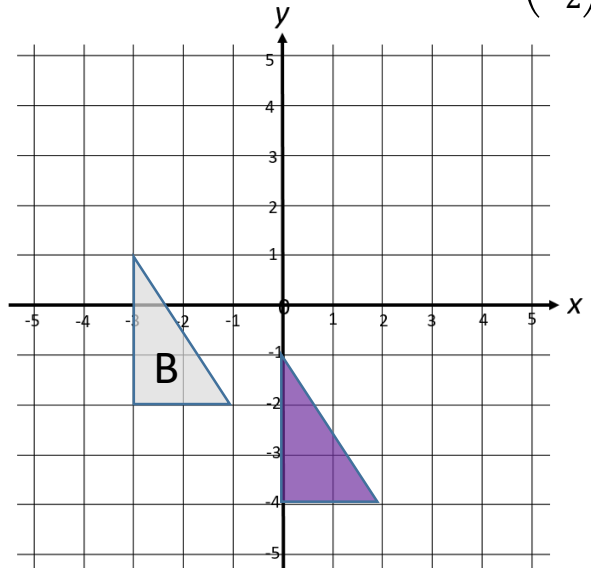
(2 marks)

5. Reflect shape A in the line $y = 1$



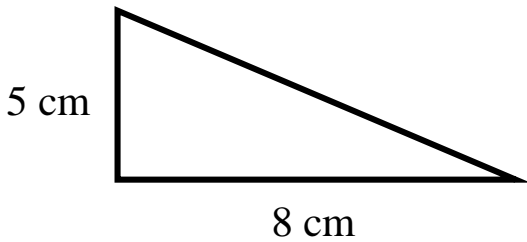
(2 marks)

6. Translate shape B by the vector $\begin{pmatrix} 3 \\ -2 \end{pmatrix}$



(2 marks)

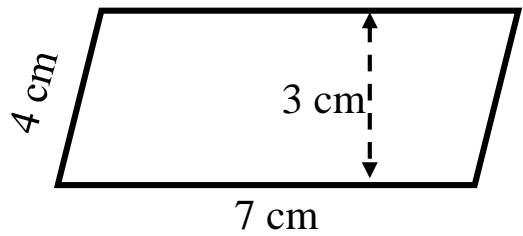
7. Calculate the area of this shape.



20cm^2

(2 marks)

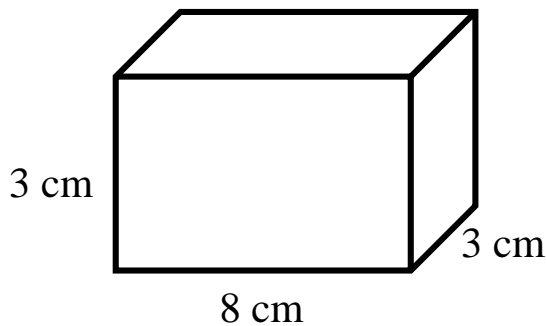
8. Calculate the area of this shape.



21cm^2

(2 marks)

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



Volume = 72cm^3

Surface area = 114cm^2

(5 marks)

Score =