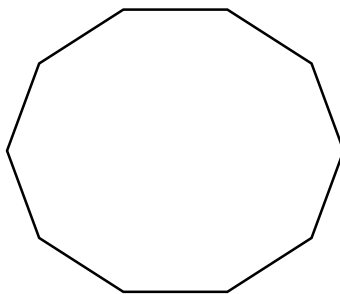


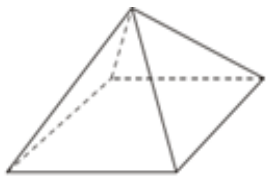
1. Name this polygon.



Decagon

(1 mark)

2.



Square based

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

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

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

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

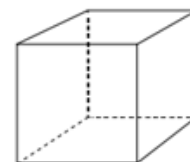


Name.....*Cone*.....

Faces.....*2*.....

Vertices.....*1*.....

Edges.....*1*.....



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

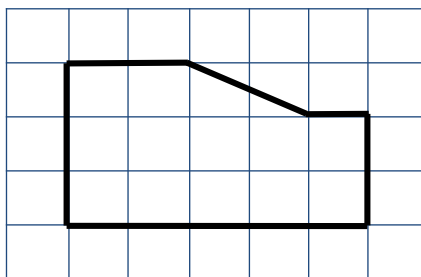
Faces.....*6*.....

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

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

(9 marks)

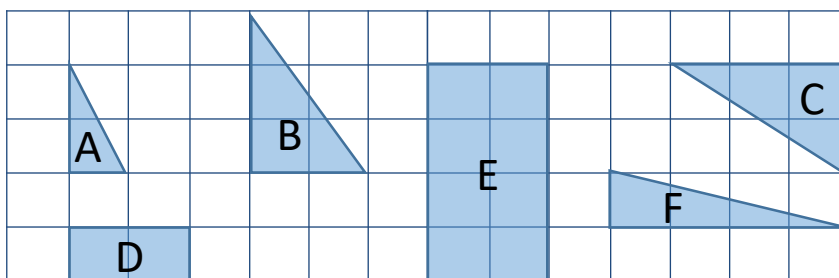
3. Calculate the area of this shape.



13cm²

(1 mark)

4.



(i) Which two shapes are congruent.

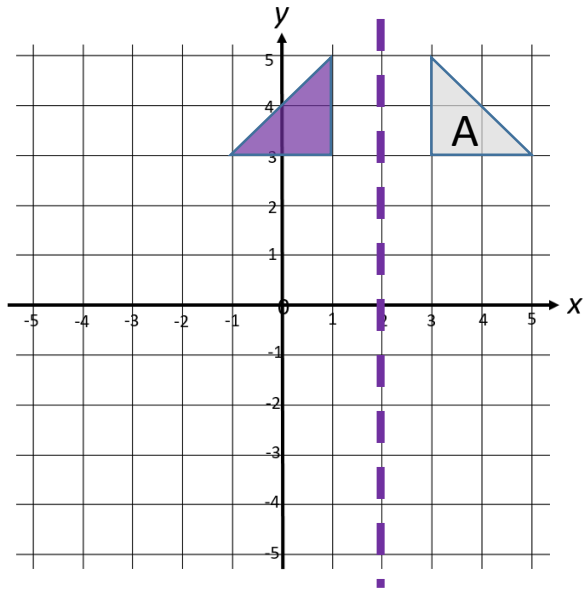
B.....and.....*C*.....

(ii) Which two shapes are similar.

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

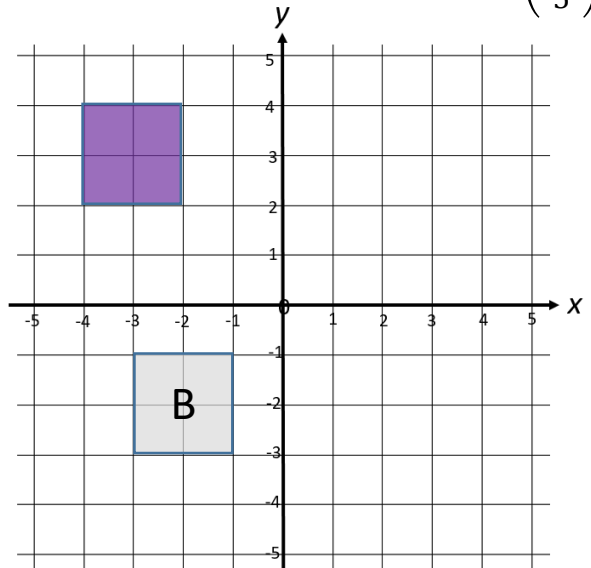
(2 marks)

5. Reflect shape A in the line $x = 2$



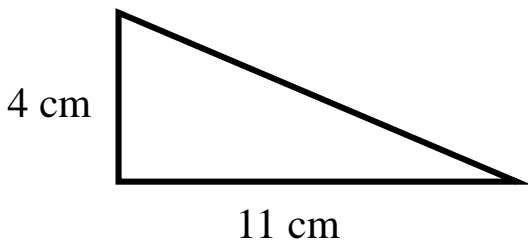
(2 marks)

6. Translate shape B by the vector $\begin{pmatrix} -1 \\ 5 \end{pmatrix}$



(2 marks)

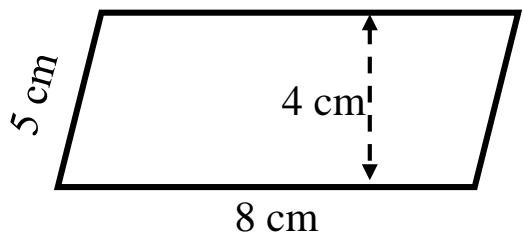
7. Calculate the area of this shape.



22cm^2

(2 marks)

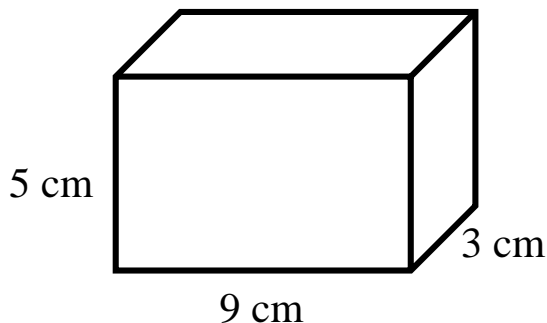
8. Calculate the area of this shape.



32cm^2

(2 marks)

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



Volume = 135cm^3

Surface area = 174cm^2

(5 marks)

Score =