CONSTRUCTION GEOMETRY 12: SUMMARY

1. Construct the following triangles. Label all parts.

   a. ΔABC where $\overline{AB}$ = 5.7 cm, $\overline{BC}$ = 4.2 cm and $\overline{AC}$ = 2.6 cm.

   b. ΔDEF where $\overline{DE}$ = 4 cm, $\overline{EF}$ = 5 cm and $\angle$E = 115°.

   c. ΔGHI where $\overline{GH}$ = 7 cm, $\angle$G = 30° and $\angle$I = 50°.

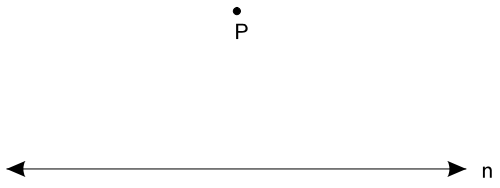
2. Construct the following polygons. Label all parts.

a. A rectangle with sides 6.3 cm by 2.7 cm.

b. A parallelogram ABCD where $\angle A = 40°$, $\overline{AB} = 5.5$ cm and $\overline{AD} = 4$ cm.

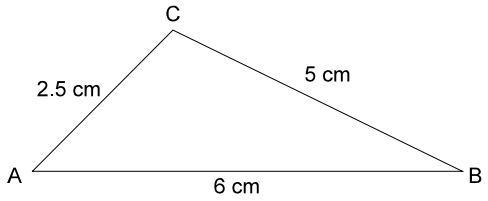
c. A rhombus with one diagonal of 10 cm and sides of 6 cm.

3. Construct a line parallel to n that passes through the point P.

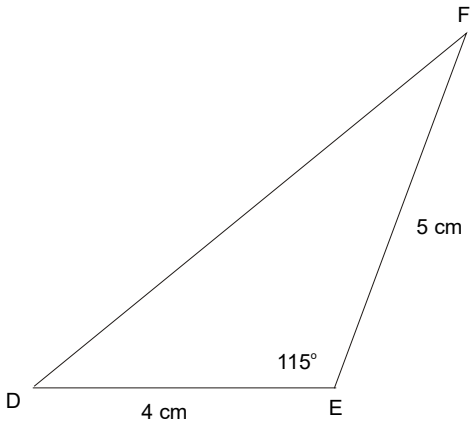


ANSWER KEY

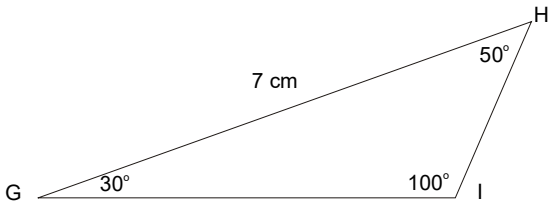
1. a.



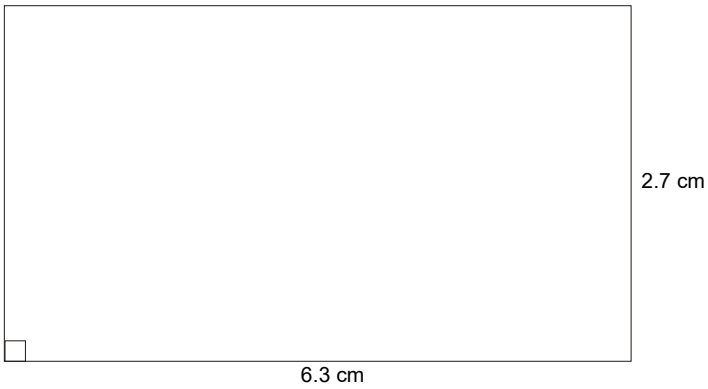
1. b.



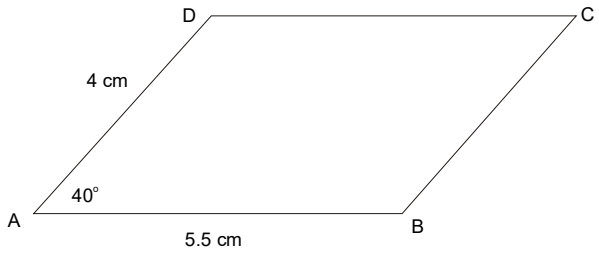
1. c.



2. a.



2. b



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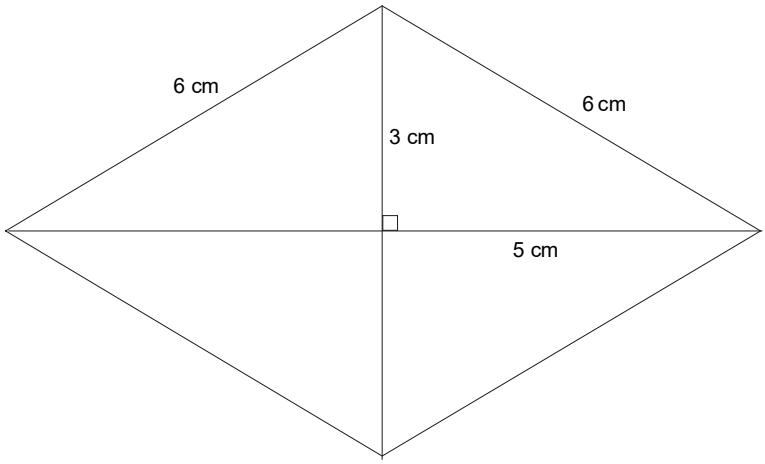
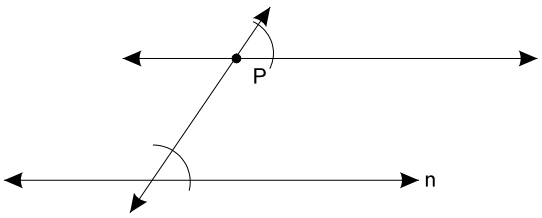
2. c.



3.



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