

Properties of Shapes

End-of-Strand Assessment

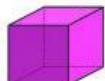
Name: _____ Date: _____

(Please note: a protractor is required for this assessment.)

1. Match each 3D shape to the correct name.



cuboid



tetrahedron



triangular prism



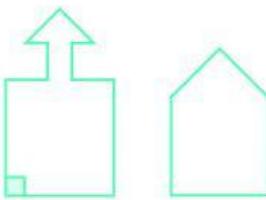
square-based pyramid



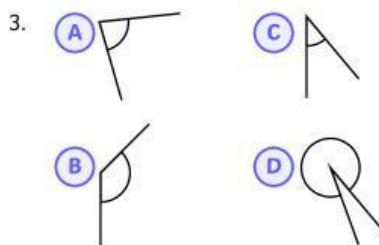
cube

2 marks

2. Mark all of the right angles inside these shapes.
The first one has been done for you.



1 mark



Are these statements true or false?

Angle B is an obtuse angle.

Angle B is larger than angle D.

Angle C is the smallest angle.

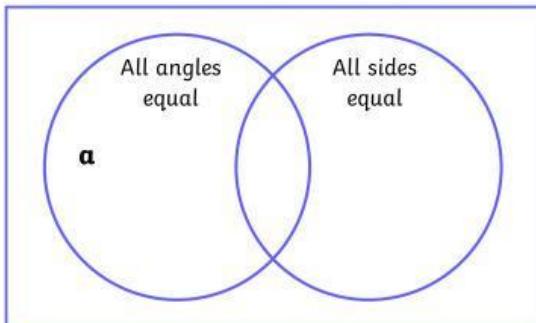
Angle D is an acute angle.

Angle A is a reflex angle.

2 marks



4. Sort these shapes by writing each letter in the correct place on the Venn diagram. The first one has been done for you.



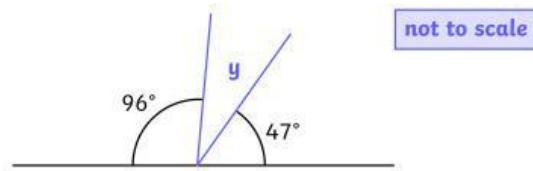
5. From the dot, draw a horizontal line that is 6.3cm in length. Then, draw and label an angle measuring 35° from this line.

•

2 marks
2 marks

6. Calculate the value of angle y .

Do not use a protractor to measure the angle.

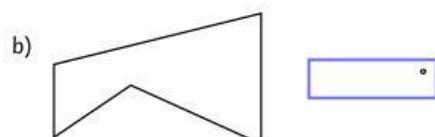


not to scale

$$y = \boxed{\quad}^\circ$$

1 mark

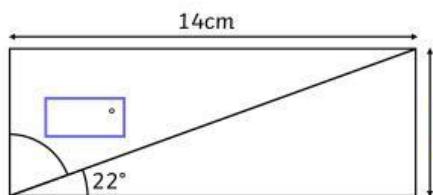
7. Use a protractor to measure the obtuse angle in each of these shapes.



2 marks

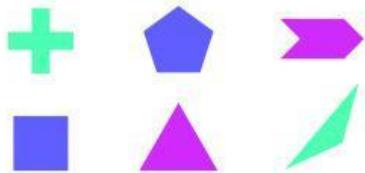
8. Calculate the missing measurements.

not to scale



$$\text{perimeter} = 40\text{cm}$$

9. a) Circle all of the shapes below that are irregular polygons.



b) Explain why you think the shapes you circled are irregular polygons.



10. Use the compass to identify the number of degrees in each turn.



Turn clockwise from NE to SE.

Turn anticlockwise from SW to NE.

Turn clockwise from N to W.

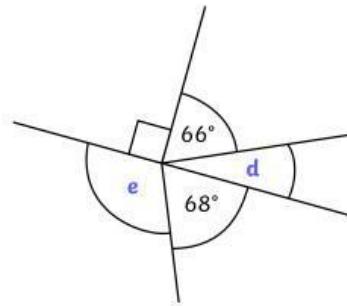
2 marks

2 marks

Page 3 of 4

2 marks

not to scale

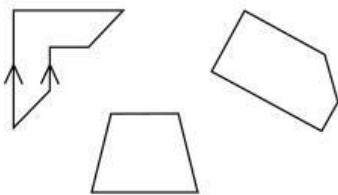


° °

2 marks

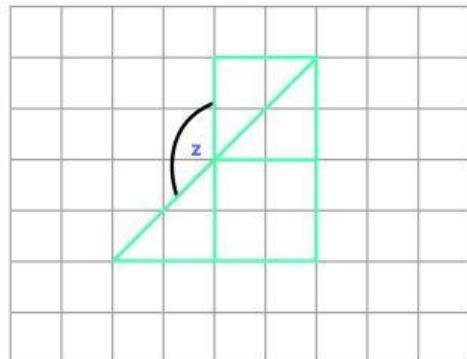


12. Identify and mark all of the pairs of parallel lines on these shapes. The first pair has been marked for you.

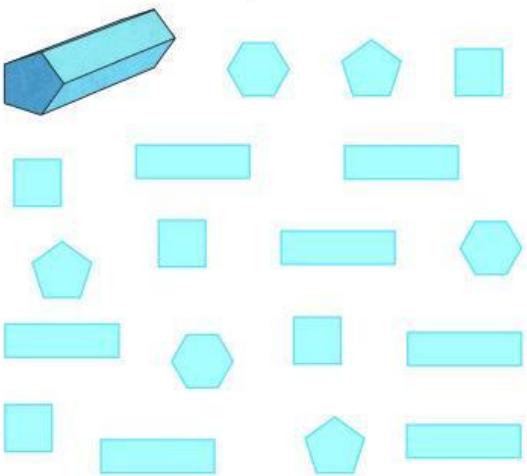


1 mark

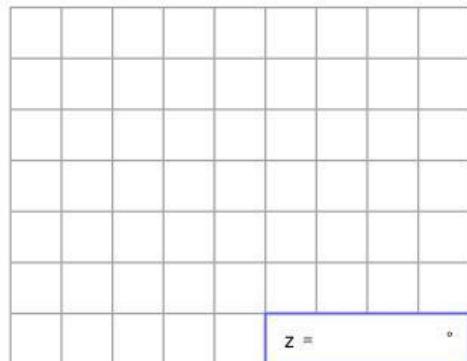
14. Calculate the size of angle z . Show your method.



13. Tick the exact number of 2D shapes you would need to construct this 3D shape.



1 mark



2 marks

Total
24 marks