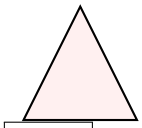
2D SHAPES

A PLANE GEOMETRY

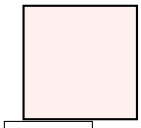
A.1 FINDING THE SIDES

Ex 1: How many sides does this shape have?



sides

Ex 2: How many sides does this shape have?

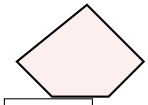


sides

Ex 3: How many sides does this shape have?

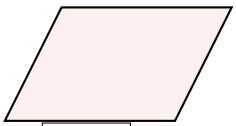
sides

Ex 4: How many sides does this shape have?



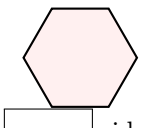
sides

Ex 5: How many sides does this shape have?



sides

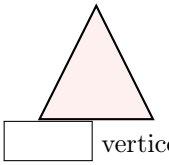
Ex 6: How many sides does this shape have?



sides

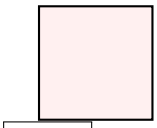
A.2 FINDING THE VERTICES

Ex 7: How many vertices does this shape have?



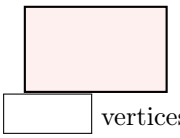
vertices

Ex 8: How many vertices does this shape have?



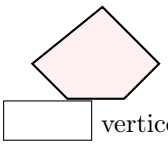
vertices

Ex 9: How many vertices does this shape have?



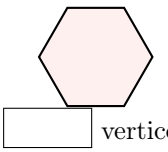
vertices

Ex 10: How many vertices does this shape have?



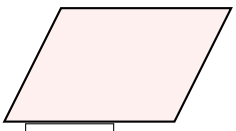
vertices

Ex 11: How many vertices does this shape have?



vertices

Ex 12: How many vertices does this shape have?

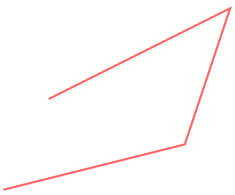


vertices

B POLYGONS

B.1 IDENTIFYING POLYGONS

MCQ 13: Is this figure a polygon?



Pick the correct answer:

- ☐ Yes
- ☐ No

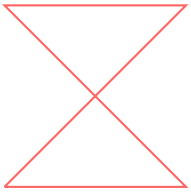
MCQ 14: Is this figure a polygon?

Pick the correct answer:

☐ Yes

☐ No

MCQ 15: Is this figure a polygon?

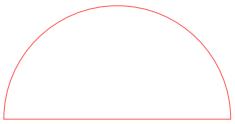


Pick the correct answer:

☐ Yes

☐ No

MCQ 16: Is this figure a polygon?



Pick the correct answer:

☐ Yes

☐ No

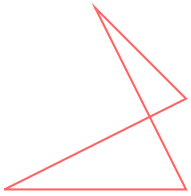
MCQ 17: Is this figure a polygon?

Pick the correct answer:

☐ Yes

☐ No

MCQ 18: Is this figure a polygon?

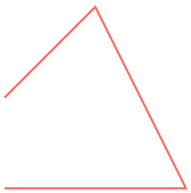


Pick the correct answer:

☐ Yes

☐ No

MCQ 19: Is this figure a polygon?



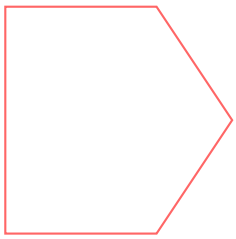
Pick the correct answer:

☐ Yes

☐ No

B.2 NAMING POLYGONS

MCQ 20: What is the name of this polygon?



Pick the correct answer:

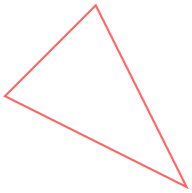
☐ Triangle

☐ Quadrilateral

☐ Pentagon

☐ Hexagon

MCQ 21: What is the name of this polygon?



Pick the correct answer:

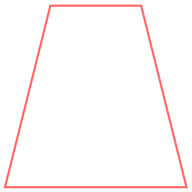
☐ Triangle

☐ Quadrilateral

☐ Pentagon

☐ Hexagon

MCQ 22: What is the name of this polygon?



Pick the correct answer:

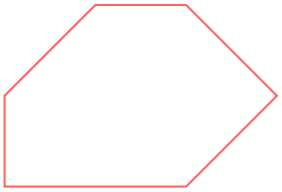
☐ Triangle

☐ Quadrilateral

☐ Pentagon

☐ Hexagon

MCQ 23: What is the name of this polygon?



Pick the correct answer:

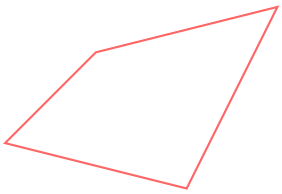
☐ Triangle

☐ Quadrilateral

☐ Pentagon

☐ Hexagon

MCQ 24: What is the name of this polygon?



Pick the correct answer:

☐ Triangle

☐ Quadrilateral

☐ Pentagon

☐ Hexagon

B.3 DRAWING POLYGONS

Ex 25: Draw a triangle.

Ex 26: Draw a quadrilateral.

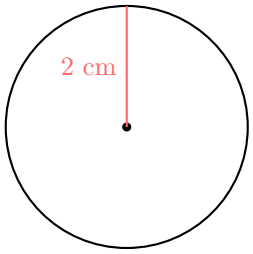
Ex 27: Draw a pentagon.

Ex 28: Draw a hexagon.

C CIRCLES

C.1 FINDING DIAMETERS

Ex 29: What is the radius and what is the diameter of this circle?



Radius = ☐ cm

Diameter = ☐ cm

Ex 30: The wheel of a child's bicycle is a circle with a radius of 15 cm. What is its diameter?

Diameter = ☐ cm

Ex 31: A pizza is a circle with a radius of 15 cm. What is its diameter?

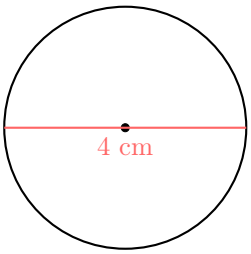
Diameter = ☐ cm

Ex 32: The Earth is a sphere with a radius of 6,000 km. What is its diameter?

Diameter = ☐ km

C.2 FINDING RADII

Ex 33: What is the radius and what is the diameter of this circle?



Radius = ☐ cm

Diameter = ☐ cm

Ex 34: The wheel of a child's bicycle is a circle with a diameter of 30 cm. What is its radius?

Radius = ☐ cm

Ex 35: A pizza is a circle with a diameter of 30 cm. What is its radius?

Radius = ☐ cm

Ex 36: The Earth is a circle with a diameter of 12,000 km. What is its radius?

Radius = ☐ km