

STUDENT WORKSHEET

Plane Geometry | 7th Grade

Mathematics □ Geometry

Student Name:

Date :

Class:

Value :

Answer each of the following questions accurately and correctly!

1 Which of the following is NOT a two-dimensional shape?

A. Rectangle

B. Circle

C. Ball

D. Triangle

2 A triangle with three sides of equal length is called

A. Right-angled triangle

B. Equilateral Triangle

C. General Triangle

D. Isosceles Triangle

3 The formula for the area of a circle with radius r is

A. $2 \times \pi \times r$

B. $\pi \times r \times r$

C. $\pi \times d$

D. $4 \times \pi \times r$

4 Fill in the blanks with the correct answers!

a. A triangle has sides.

b. A plane figure in which all points are equidistant from the centre is called

c. A trapezium has pairs of parallel sides.

d. The perimeter of a square with side length s is

e. A parallelogram has opposite angles of equal measure.

1 Match the shapes with their correct names and properties!

	Rectangle	It has four sides, two pairs of which are parallel and of equal length
	Isosceles Triangle	Two sides of equal length, one axis of symmetry
	Circle	All points are equidistant from the centre
	Trapezium	Exactly one pair of parallel sides
	Parallelogram	Two pairs of parallel sides, no right angles

2 a. Work out the area and perimeter of the following two-dimensional shapes!

A square with sides of 9 cm.

Area = cm² | Circumference = cm

b. A triangle with a base of 12 cm and a height of 8 cm.

Area = cm² | Circumference = cm

c. Lingkaran dengan jari-jari 7 cm ($\pi = 22/7$).

Area = cm² | Circumference = cm

3 List at least three properties of the following two-dimensional shapes!

Square	Trapezium	Parallelogram
1. _____	1. _____	1. _____
2. _____	2. _____	2. _____
3. _____	3. _____	3. _____