Properties of 2D shapes

Name:	Class:	Date:

Mark	/ 10	%

1) Complete the table to show the properties of 4 shapes.

Shape	Number of sides	Number of right angles	All sides equal (yes or no)
	4	4	yes

[1]

2) Complete the table showing properties of quadrilaterals, using **y** for **yes** or **n** for **no**.

	Square	Rectangle	Parallelogram	Rhombus	Trapezium	Kite
Only one pair of parallel sides						
Diagonals of equal length						
Four sides of equal length						
Four equal angles						

[1]

3) Complete the table showing properties of quadrilaterals, using **y** for **yes** or **n** for **no**.

	Square	Rectangle	Parallelogram	Rhombus	Trapezium	Kite
Exactly two pairs of parallel sides						
Two pairs of adjacent equal sides (but not all equal)						
Two pairs of equal sides (but not all equal)						
Only one pair of equal angles						

[1]

4) Complete the table showing properties of quadrilaterals, using **y** for **yes** or **n** for **no**.   [1]

	Square	Rectangle	Parallelogram	Rhombus	Trapezium	Kite
Diagonals that bisect each other						
Perpendicular diagonals						
Two pairs of equal angles (but not all equal)						

5) Complete the table with names of quadrilaterals   [1]

Shape	Name

6) Complete the table of triangles

Shape	Name
	Triangle
	Triangle
	Triangle
	Triangle

[1]

7) Complete the table of polygons   [1]

Number of sides	Name
10	
9	
8	
6	
4	
3	
5	
7	

8) Complete the table of polygons   [1]

Name of Shape	Number of sides
octagon	
pentagon	
decagon	
quadrilateral	
hexagon	
triangle	
heptagon	
nonagon	

9) Complete the table to show the properties of 4 shapes.

Shape	Number of sides	Number of right angles	All sides equal (yes or no)
	4	4	yes

[1]

10) Complete the table to show the properties of 4 shapes.

Shape	Number of sides	Number of right angles	All sides equal (yes or no)
	3	0	no

[1]

Solutions for the assessment Properties of 2D shapes

1) 4, 0, no
4, 0, no
4, 0, no

2)
n, n, n, n, y, n
y, y, n, n, n, n
y, n, n, y, n, n
y, y, n, n, n, n

3)
y, y, y, y, n, n
n, n, n, n, n, y
n, y, y, n, n, y
n, n, n, n, n, y

4)
y, y, y, y, n, n
y, n, n, y, n, y
n, n, y, y, n, n

5) Parallelogram,Rectangle,Rhombus,Square,Trapezium,Kite

6) Right angled,Equilateral,Isosceles,Scalene

7) decagon, nonagon, octagon, hexagon, quadrilateral, triangle, pentagon, heptagon

8) 8, 5, 10, 4, 6, 3, 7, 9

9) 5, 0, yes
6, 2, no
10, 0, yes

10) 3, 0, yes
3, 1, no
3, 1, no