Shape Worksheets
(Compare & Classify Polygons)

Name _____ Date _____

1. Cut out all the polygons (M–X) in the template. Then use the polygons to complete the following chart.

Attribute	List the polygons' letters from the group.	Sketch 1 polygon from the group.
Example: ***3 Sides***	*Polygons: Y, Z*	
All Sides are Equal	Polygons:	
All Sides are Not Equal	Polygons:	
At Least 1 Right Angle	Polygons:	
At Least 1 Set of Parallel Sides	Polygons:	

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2. Compare Polygon M and Polygon X. What is the same? What is different?

3. Jenny says, "Polygon N, Polygon R, and Polygon S are all regular quadrilaterals!" Is she correct? Why or why not?

4. "I have six equal sides and six equal angles. I have three sets of parallel lines. I have no right angles."

   a. Write the letter and the name of the polygon described above.

   b. Estimate to draw the same polygon, but with no equal sides.

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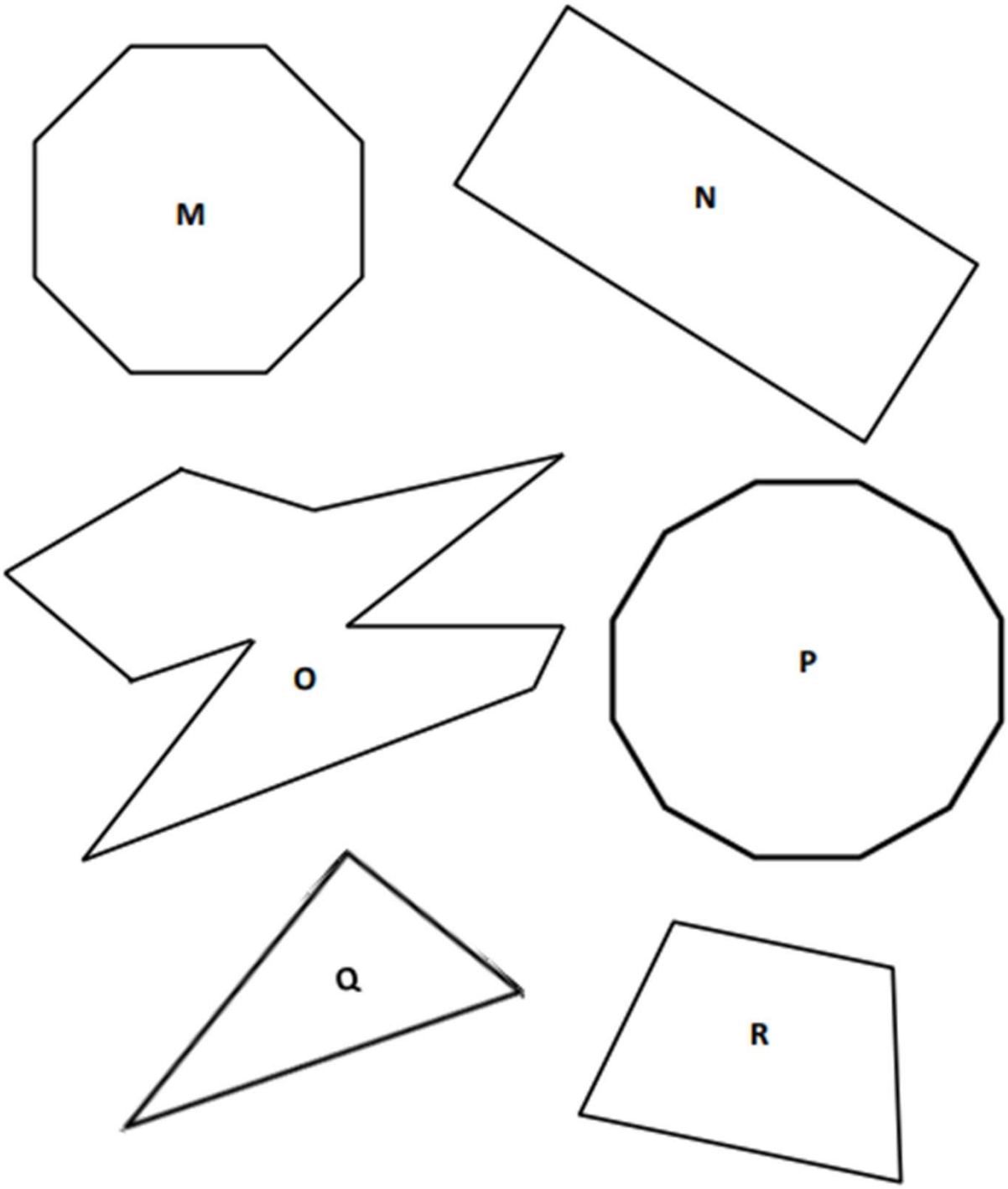

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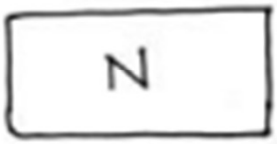
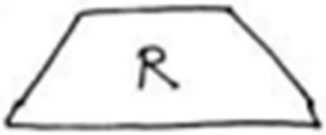
1. Cut out all the polygons (M-X) in the template. Then use the polygons to complete the following chart.

Attribute	List the polygons' letters from the group.	Sketch 1 polygon from the group.
Example: ***3 Sides***	*Polygons: Y, Z*	
All Sides are Equal	Polygons: M, P, S, U, W	
All Sides are Not Equal	Polygons: N, O, R, T, Q, V, X	
At Least 1 Right Angle	Polygons: N, Q, T, S	
At Least 1 Set of Parallel Sides	Polygons: M, N, R, P, S, U, T	

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2. Compare Polygon M and Polygon X. What is the same? What is different?

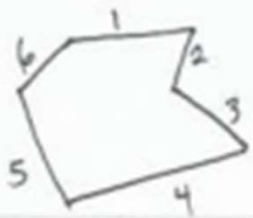
They both have 8 sides, so they are both octagons. But Polygon M has all equal sides and Polygon X has sides that are not all equal.

3. Jenny says, "Polygon N, Polygon R, and Polygon S are all regular quadrilaterals!" Is she correct? Why or why not?

No, Jenny is not correct. A regular quadrilateral has 4 equal sides and 4 equal angles. Only Polygon S is a regular quadrilateral.

4. "I have six equal sides and six equal angles. I have three sets of parallel lines. I have no right angles."

   a. Write the letter and the name of the polygon described above.

   Polygon U is a regular hexagon.

   b. Estimate to draw the same polygon, but with no equal sides.