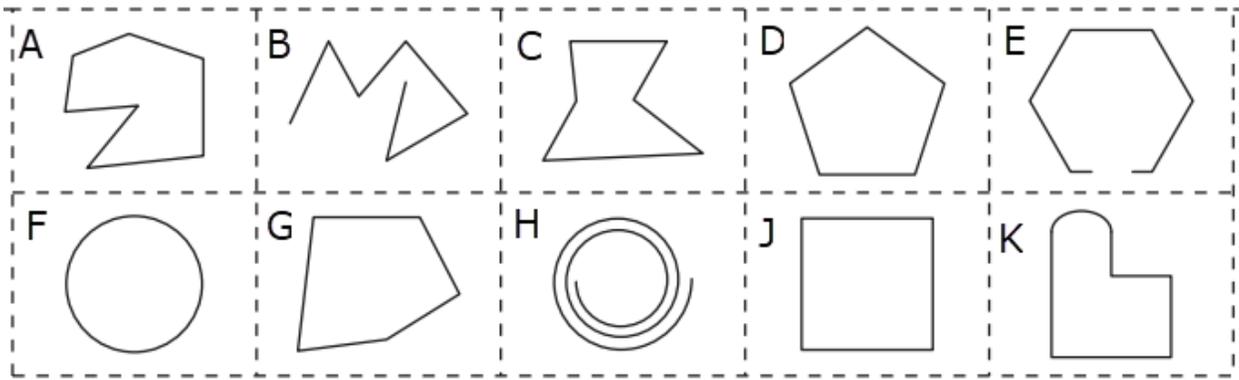


Name \_\_\_\_\_ Polygon Basics Period \_\_\_\_\_ Date \_\_\_\_\_

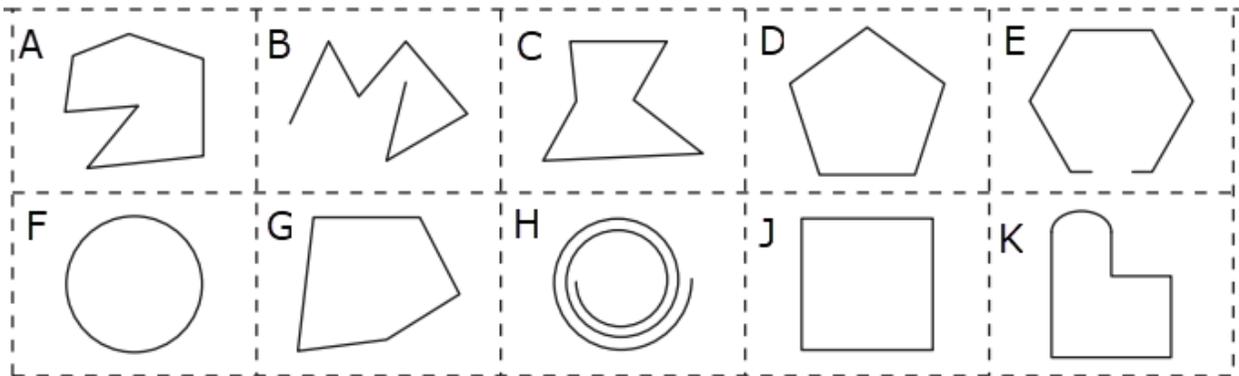
Use the letter of the given figures to complete the table below the figures



Concave Polygons	Convex Polygons	NOT Polygons

Name \_\_\_\_\_ Polygon Basics Period \_\_\_\_\_ Date \_\_\_\_\_

Use the letter of the given figures to complete the table below the figures



Concave Polygons	Convex Polygons	NOT Polygons

Sometimes/Always/Never

1. \_\_\_\_\_ a closed figure is a polygon
2. \_\_\_\_\_ a closed figure formed with line segments is a polygon
3. \_\_\_\_\_ a closed figure that uses any portion of a circle's circumference is a polygon
4. \_\_\_\_\_ line segments that connect vertices of a polygon are called sides
5. \_\_\_\_\_ line segments that connect consecutive vertices of a polygon are called sides
6. \_\_\_\_\_ line segments that connect non-consecutive vertices of a polygon are called diagonals

True False

7. \_\_\_\_\_ the diagonals of a convex polygon will have NO points on the exterior of the polygon itself
8. \_\_\_\_\_ the diagonals of a concave polygon will have NO points on the exterior of the polygon itself
9. \_\_\_\_\_ the diagonals of a convex polygon will have AT least 1 point on the exterior of the polygon itself
10. \_\_\_\_\_ the diagonals of a concave polygon will have AT least 1 point on the exterior of the polygon itself

Sometimes/Always/Never

1. \_\_\_\_\_ a closed figure is a polygon
2. \_\_\_\_\_ a closed figure formed with line segments is a polygon
3. \_\_\_\_\_ a closed figure that uses any portion of a circle's circumference is a polygon
4. \_\_\_\_\_ line segments that connect vertices of a polygon are called sides
5. \_\_\_\_\_ line segments that connect consecutive vertices of a polygon are called sides
6. \_\_\_\_\_ line segments that connect non-consecutive vertices of a polygon are called diagonals

True False

7. \_\_\_\_\_ the diagonals of a convex polygon will have NO points on the exterior of the polygon itself
8. \_\_\_\_\_ the diagonals of a concave polygon will have NO points on the exterior of the polygon itself
9. \_\_\_\_\_ the diagonals of a convex polygon will have AT least 1 point on the exterior of the polygon itself
10. \_\_\_\_\_ the diagonals of a concave polygon will have AT least 1 point on the exterior of the polygon itself