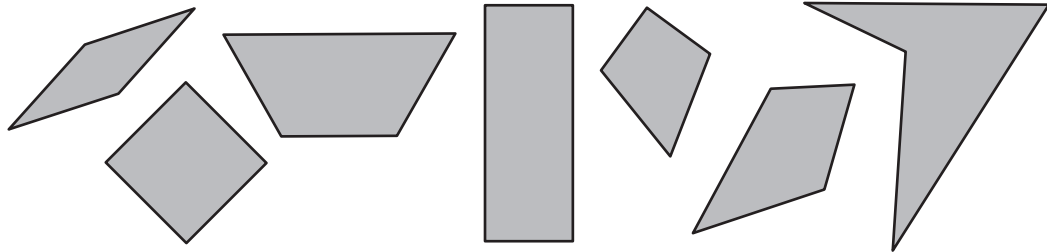
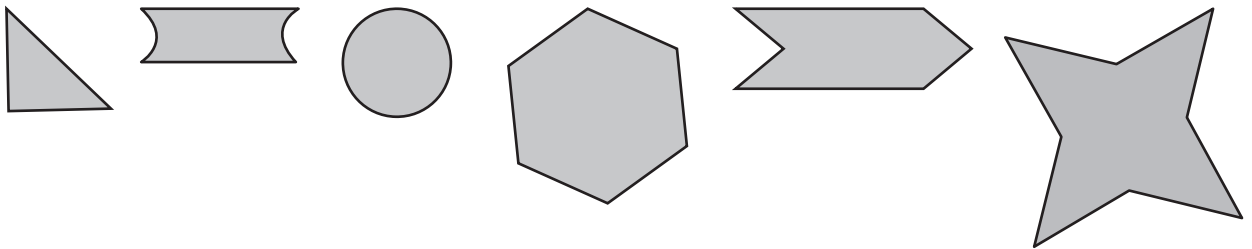


# Properties of Shapes

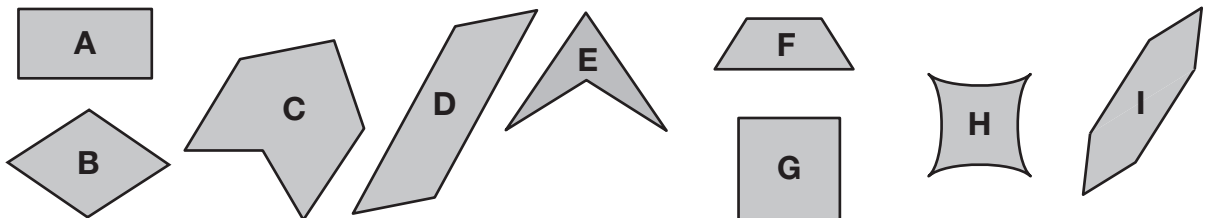
1. Each of these shapes is a **quadrilateral**.



None of these shapes is a quadrilateral:



A. Circle each shape below that is a quadrilateral.

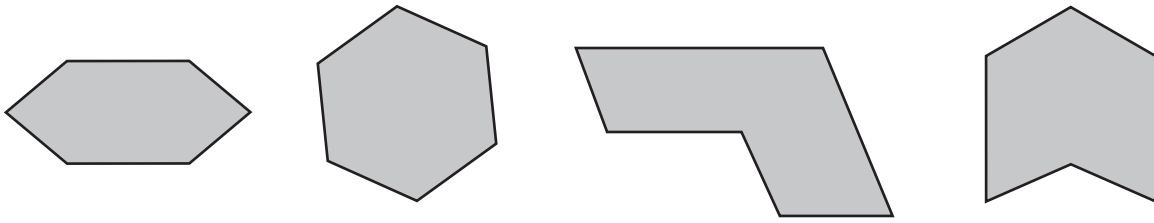


B. How can you identify a quadrilateral? List properties of quadrilaterals.

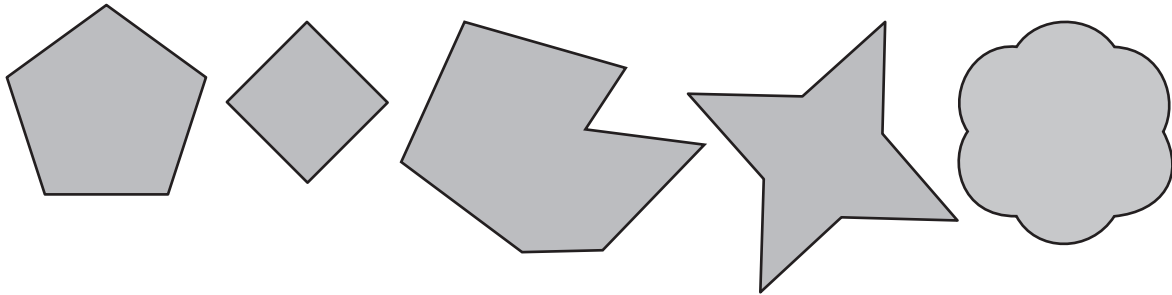
C. Explain why Shape H is or is not a quadrilateral.

D. Make a quadrilateral. Use 2 or more different Power Polygons™. Draw the outside edges of the shape.

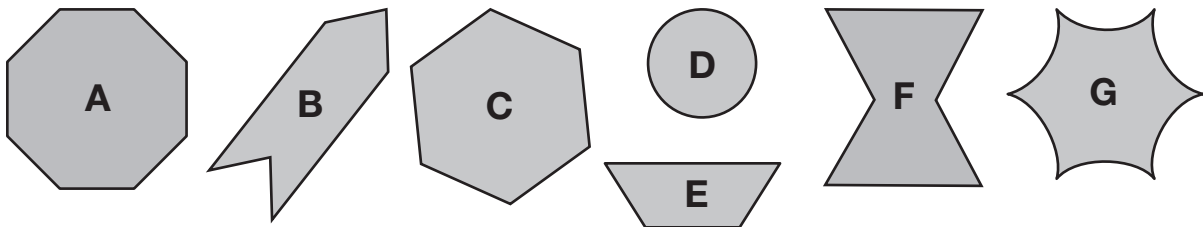
2. Each of these shapes is a **hexagon**.



None of these shapes is a hexagon:



A. Circle each shape below that is a hexagon.

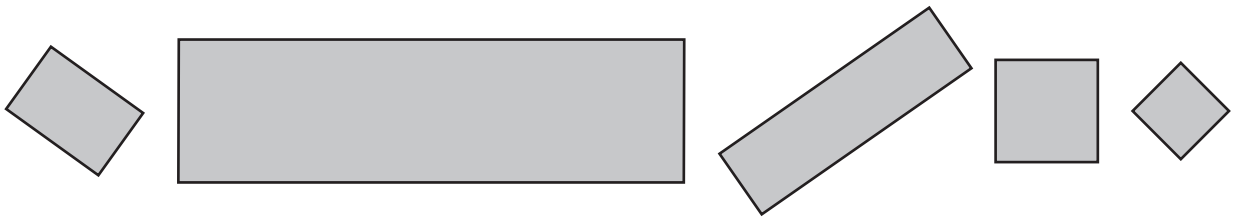


B. List properties of hexagons.

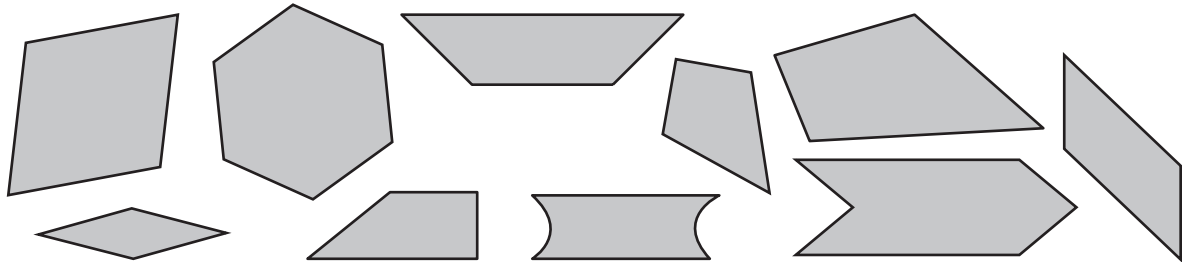
C. Explain why Shape F is or is not a hexagon.

D. Make a hexagon. Use 2 or more different Power Polygons™. Draw the outside edges of the shape.

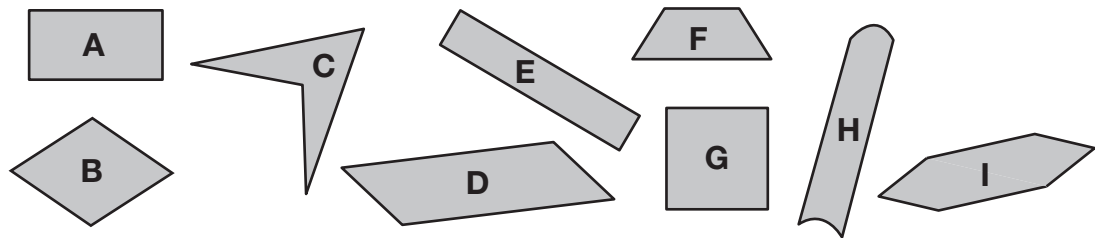
**3.** Each of these shapes is a **rectangle**.



None of these shapes is a rectangle:



**A.** Circle each shape below that is a rectangle.

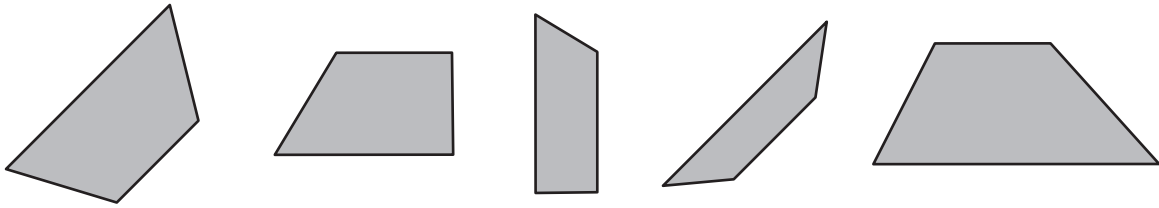


**B.** List properties of rectangles.

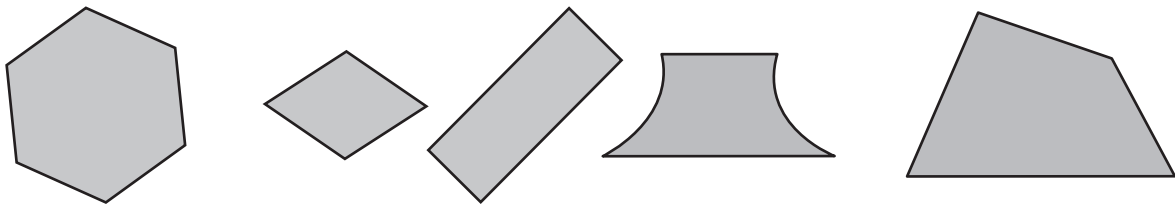
**C.** Explain why Shape D is or is not a rectangle.

**D.** Make a rectangle. Use 2 or more different Power Polygons™. Draw the outside edges of the shape.

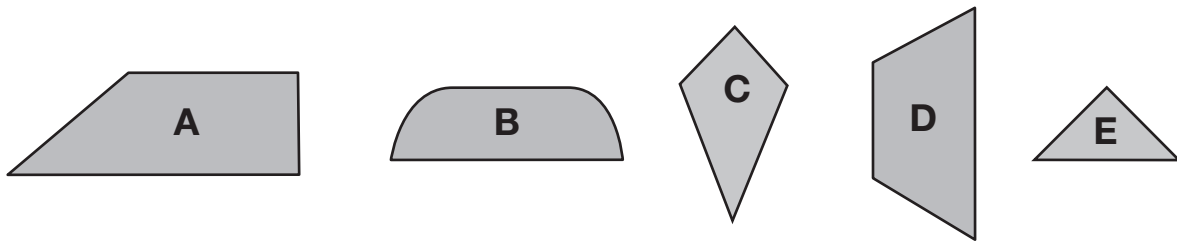
4. Each of these shapes is a **trapezoid**.



None of these shapes is a trapezoid:



A. Circle each shape below that is a trapezoid.



B. List properties of trapezoids.

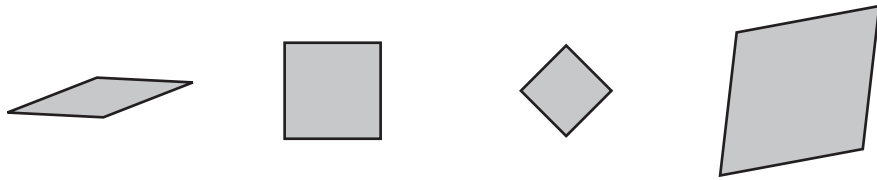
C. Explain why Shape A is or is not a trapezoid.

D. Make a trapezoid. Use 2 or more different Power Polygons™. Draw the outside edges of the shape.

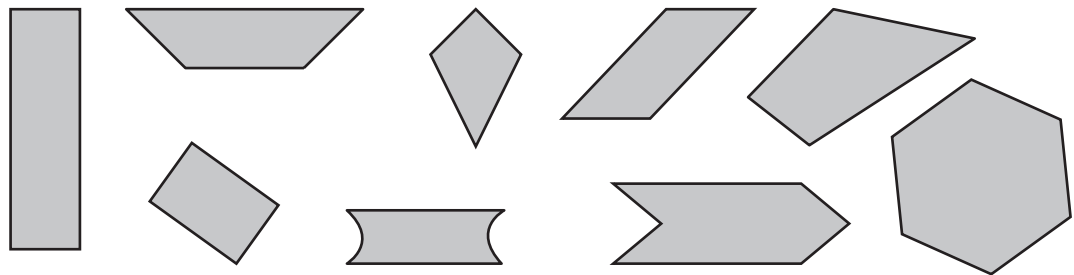


## Check-In: Question 5

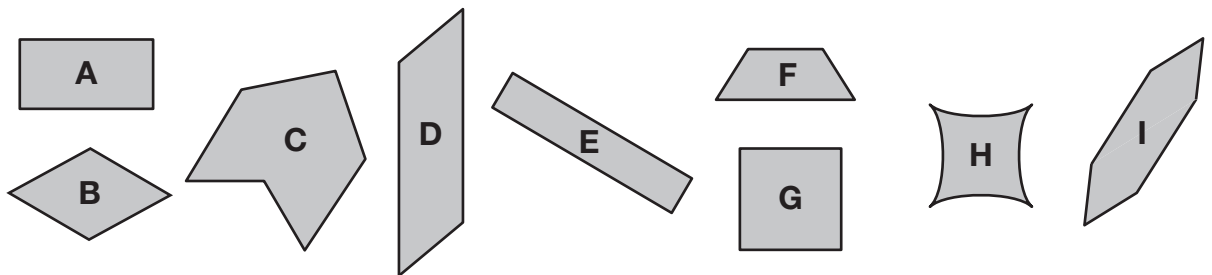
5. Each of these shapes is a **rhombus**:



None of these shapes is a rhombus:



**A.** Circle each shape below that is a rhombus.



**B.** List properties of rhombuses. To list a property of a rhombus, it must be true for all rhombuses. Be ready to justify your answers.

**C.** Explain why Shape F is or is not a rhombus.

**D.** Make a rhombus. Use 2 or more different Power Polygons™. Draw the outside edges of the shape.