Name _____ Date _____

Skills Update
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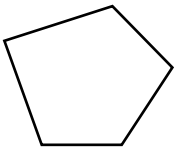
# Polygons

**Decide if each figure is a polygon. Write *Yes* or *No*. Then name the polygon.**

**1.** 

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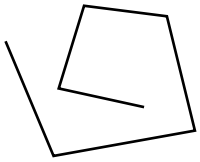
**2.** 

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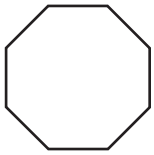
**3.** 

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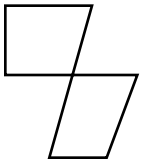
**4.** 

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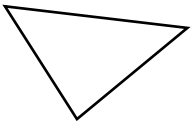
**5.** 

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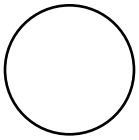
**6.** 

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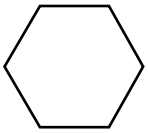
**7.** 

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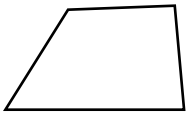
**8.** 

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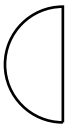
**9.** 

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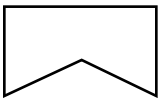
**10.** 

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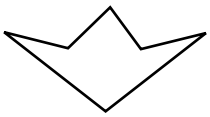
**11.** 

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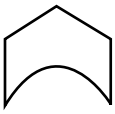
**12.** 

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**Write *True* or *False* for each statement.**

**13.** A vertex of a polygon is a point where any two of its sides meet. _____

**14.** An octagon has 4 sides and 4 vertices. _____

**15.** Any side of a polygon is a line segment. _____

**16.** The number of sides of a polygon is equal to the number of its vertices. _____

**17.** Some polygons have a greater number of angles than sides. _____

**PROBLEM SOLVING**

**18.** A polygon has 3 sides, 3 angles, and 3 vertices. What kind of polygon is it? _____

**19.** A polygon has 5 angles and 5 vertices. How many sides does it have? What kind of polygon is it? _____

**20.** A polygon has 8 vertices. How many angles does it have? how many sides? What kind of polygon is it? _____