Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Table:\_\_\_\_\_\_\_ Period: \_\_\_\_Date: \_\_\_\_\_\_

**CH 3 Angle Relationships SBAC Practice\_Classwork**

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| Supplementary Angles (Sum is 180o) | Vertical Angles (CONGRUENT $≅$) |
| **Sum of the interior angles of a polygon, S.**n = number of sides of the polygon$$S= \left(n-2\right)∙180$$EXAMPLE:Hexagon (6 sides)S = (6-2)∙ 180 = 720o | Sum of the exterior angles of a polygonALL POLYGONS EXTERIOR ANGLES’ SUM IS 360o  |

Chapter 3 Angle Review -- Identify the type of angles shown. Then write a brief description

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| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ angles | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ angles |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ angles | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ angles |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ angles | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ angles |

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| Describe 2 ways you can find the measure of Angle 5 |

INTERIOR ANGLES AND EXTERIOR ANGLE MEASURES

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| Find the measures of the interior angles. | Find the measure of the exterior angle |
| Can a pentagon have interior angles that measure 120o, 105o, 65 o, 150o, and 95o? Explain. | Find the measure of the exterior angles |



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| Are the triangles similar? | Are the triangles similar? |