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  EXAMPLE:  Hexagon (6 sides)  S = (6-2)∙ 180 = 720o | Sum of the exterior angles of a polygon  ALL POLYGONS EXTERIOR ANGLES’ SUM IS 360o |

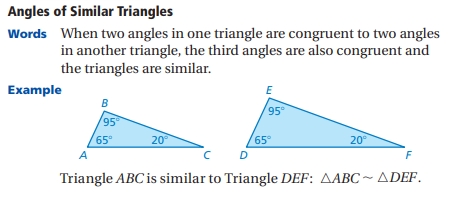
Chapter 3 Angle Review -- Identify the type of angles shown. Then write a brief description

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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 | |



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