**Angles, Triangles, and Parallel Lines**

**PRACTICE Test**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

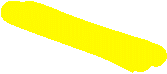
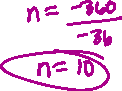
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| --- | --- | --- | --- |
| **Learning Goal** | **Novice** | **Apprentice** | **Expert** |
| I can find missing angles using geometry concepts |  |  |  |
| I can use tools such as a protractor and a compass to draw and measure angles |  |  |  |

**Learning Goal #1: I can find missing angles using geometry**

***Novice***

|  |  |
| --- | --- |
| Write the vocab word that matches the below picture. Include whether they are equal or supplementary:  Image result for supplementary angles = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Image result for alternate interior angles = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Image result for corresponding angles = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Image result for same side interior= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| What is the sum of the interior angles in the below shapes?  Image result for quadrilateral | What is the name for the below triangle? Also list one characteristic of the triangle.  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Characteristic:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Characteristic:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Complete the interior angles of the below polygon: | Complete the interior angles of the below triangle: |
| Complete the below chart with labelling the vocab word for the KIND OF ANGLE and then adding a real world example of where you might see this type of angle: | |

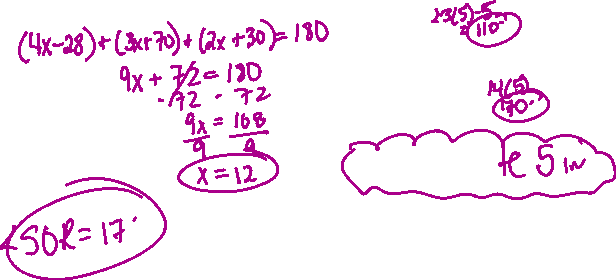
***Apprentice***



|  |  |
| --- | --- |
| What is angle a, b, and c? | Find the missing angle x: |
| Find missing angles A, B, C, D, and F: | What is angle DCE? |
| If angle *f* is 85º and *c* is 25º, what is *a, b, e,* and *g*? | Each interior angle of a regular convex polygon measures 144°. How many sides does the polygon have? |
| Determine Find the sum of the measures of the interior angles of this polygon. | Determine Find the sum of the measures of the interior angles of this polygon. |
| Complete the below table: | |



***Expert***



|  |  |
| --- | --- |
| Determine the value of x | Determine all the interior angles (not just solving for x…solve for the angle). |
| Determine the measure of angle S0R | Determine the value of x |
| Determine Determine the value of *angle x* | Determine the value of angle y |
| Determine | Each interi Each interior angle of a regular convex polygon measures 150°. How many sides does the polygon have? |

**Learning Goal #2: I can use tools such as a protractor and a compass to draw angles**

***Novice***

|  |  |
| --- | --- |
| What is the below angle? | What is the below angle? |
| What is this angle classified as? What is the exact value of the angle? | What is this angle classified as? What is the exact value of the angle? |

***Apprentice***



|  |  |
| --- | --- |
| Use a protractor to draw an angle of 23º | Use a protractor to find the below angle  Related image |
| Use a protractor to find the below angle. | Use a protractor to find the below angle: |

***Expert***

|  |  |
| --- | --- |
| Using a compass, draw a 90º angle | Using a compass, draw a 60º angle |
| Using a compass, draw a 30º angle | Using a compass, draw a 120º angle |