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

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_

**Fill in the missing information for each triangle named.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TRIANGLE** | **Measure of Angle 1** | **Measure of Angle 2** | **Measure of Angle 3** | **Sum of all Angles** | **Name of Triangle**  **by Angles** |
| **Triangle MAD** |  | **430** |  |  | **Right ∆** |
| **Triangle ZEN** | **570** |  | **1020** |  |  |
| **Triangle POD** |  | **600** | **600** |  | **Acute ∆** |
| **Triangle CAT** | **350** |  | **45.50** |  |  |
| **Triangle CRY** |  | **720** | **720** |  |  |

**Identify the missing measurement for each triangle below and then classify the triangle by its angles. DO NOT USE A PROTRACTOR. (Triangles shown are not to scale.)**

**250**

**530**

**420**

**?**

**980**

**380**

**590**

**?**

**?**

**?**

**?**

Missing Measure:\_\_\_\_\_\_\_\_\_\_\_

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

Missing Measure:\_\_\_\_\_\_\_\_\_\_\_

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

Missing Measures:\_\_\_\_\_\_\_\_\_\_\_

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

Missing Measure:\_\_\_\_\_\_\_\_\_\_\_

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

**Fill in the missing information for each triangle named.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TRIANGLE** | **Length of Side 1** | **Length of Side 2** | **Length of Side 3** | **Sum of all Sides** | **Name of Triangle**  **by Sides** |
| **Triangle MAD** | **12 mm** |  | **12 mm** | **42 mm** |  |
| **Triangle ZEN** |  | **15 mm** |  |  | **Equilateral ∆** |
| **Triangle POD** | **5 mm** | **9 mm** |  | **28 mm** |  |
| **Triangle CAT** |  |  |  | **60 mm** | **Equilateral ∆** |
| **Triangle CRY** |  | **8 mm** | **13 mm** | **29 mm** | **Isosceles ∆** |

**Identify the missing side length for each triangle below and then classify the triangle by its sides. DO NOT USE A RULER. (Triangles shown are not to scale.)**

**?**

**27 mm**

**6 mm ? 34 mm**

**11 mm**

**? 22 mm ?**

**13 mm 6 mm**

Sum of Sides: 68 mm

Missing Side Length:\_\_\_\_\_\_\_\_\_\_\_

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

Sum of Sides: 40 mm

Missing Side Length:\_\_\_\_\_\_\_\_\_\_\_

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

Sum of Sides: 18 mm

Missing Side Length:\_\_\_\_\_\_\_\_\_\_\_

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

Sum of Sides: 78 mm

Missing Side Length:\_\_\_\_\_\_\_\_\_\_\_

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