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

CC GEOMETRY TROICI

**MINI-LESSON #4: POLYGONS**

**QUADRILATERAL**

**PARALLELOGRAM TRAPEZOID**

 **RECTANGLE RHOMBUS ISOSCELES TRAPEZOID**

 **SQUARE**

**METHODS TO PROVE QUADRILATERALS:**

1. TO PROVE A QUADRILATERAL IS A **PARALLEOGRAM:**

|  |  |
| --- | --- |
| **WITH WORDS** | **WITH COORDINATE GEOMETRY** |
|  |  |

1. TO PROVE A QUADRILATERAL IS A **RECTANGLE:**

|  |  |
| --- | --- |
| **WITH WORDS** | **WITH COORDINATE GEOMETRY** |
|  |  |

1. TO PROVE A QUADRILATERAL IS A **RHOMBUS:**

|  |  |
| --- | --- |
| **WITH WORDS** | **WITH COORDINATE GEOMETRY** |
|  |  |

1. TO PROVE A QUADRILATERAL IS A **SQUARE:**

|  |  |
| --- | --- |
| **WITH WORDS** | **WITH COORDINATE GEOMETRY** |
|  |  |

1. TO PROVE A QUADRILATERAL IS A **TRAPEZOID**:

|  |  |
| --- | --- |
| **WITH WORDS** | **WITH COORDINATE GEOMETRY** |
|  |  |

1. TO PROVE A QUADRILATERAL IS AN **ISOSCELES TRAPEZOID**:

|  |  |
| --- | --- |
| **WITH WORDS** | **WITH COORDINATE GEOMETRY** |
|  |  |

1. TO PROVE A POLYGON IS A **RIGHT TRIANGLE**:

|  |  |
| --- | --- |
| **WITH WORDS** | **WITH COORDINATE GEOMETRY** |
|  |  |

1. TO PROVE A POLYGON IS AN **ISOSCELES TRIANGLE**:

|  |  |
| --- | --- |
| **WITH WORDS** | **WITH COORDINATE GEOMETRY** |
|  |  |

1. TO PROVE A POLYGON IS AN **EQUILATERAL TRIANGLE**:

|  |  |
| --- | --- |
| **WITH WORDS** | **WITH COORDINATE GEOMETRY** |
|  |  |