Unit 4 Quiz 2 Review

**Squares**

**Use square ABCD below for #1-3**

|  |  |  |
| --- | --- | --- |
|  | If |  |
|  | If |  |
|  | If |  |

**Rhombi**

**Use rhombus ABCD below to answer questions 4-6.**

|  |  |  |
| --- | --- | --- |
|  | If |  |
|  | If (hint: solve for x first) |  |
|  | If |  |

**Trapezoids**

|  |  |  |
| --- | --- | --- |
|  | **QTSR is an isosceles trapezoid. Solve for <SRQ** |  |
|  | **Solve for x in the isosceles trapezoid above** |  |
|  | **Trapezoid ADCB below is an isosceles trapezoid.**  **If AB=7x-1 and DC=8x+11; solve for x;**  **Can you solve for AD? Why or why not?**  Image result for isosceles trapezoid |  |

**Kites**

|  |  |  |
| --- | --- | --- |
|  | **Find m<EHG Using the fact that there are 3600 total in a quadrilateral, now solve for <HGF** |  |
|  | **In the kite below, solve for x:**  Image result for kite + pythagorean theorem  **x** |  |
|  | **Solve for angle x:**  Image result for kite geometry |  |