

Geometry

Unit 6.4 – Trapezoids and Kites I Can Sheet

Standards:

I Can...

- Determine the type of quadrilateral based on the given markings/points
- Use characteristics of trapezoids & kites to find missing measurements.
- Explain/draw a midsegment
- Explain the major differences between trapezoids & isosceles trapezoids

Items in bold should be turned in to me or placed in your binder.

_____ **video notes (2)**

_____ **worksheet**

_____ **copy diagram(s) in notes if needed**

_____ extra video

_____ extra ws

_____ pre-mc

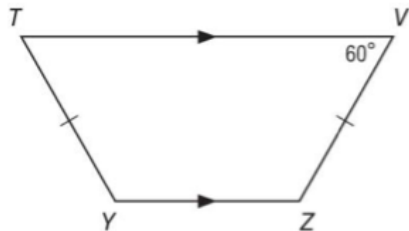
_____ **mastery check**

Pre-MC:

1. A set of stairs leading to the entrance of a building is designed in the shape of an isosceles trapezoid with the longer base at the bottom of the stairs and the shorter base at the top. If the bottom of the stairs is 21 feet wide and the top is 14 feet wide, find the width of the stairs halfway to the top.

2.

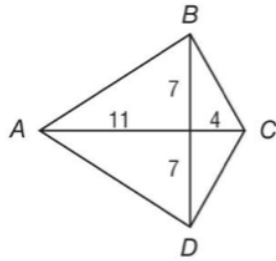
$m\angle T$



Geometry

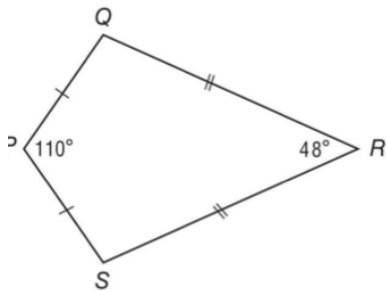
3.

BC



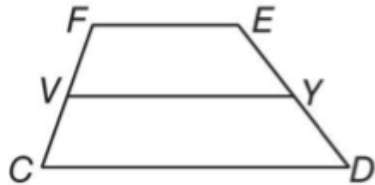
4.

$m\angle Q$



5.

If points V and Y are the midpoints of the trapezoid, and $VY=7$ and $FE=4$, find the length of CD.



6. Is a trapezoid a parallelogram? Explain.

7. RSTU is a quadrilateral with vertices $R(-3, -3)$, $S(5, 1)$, $T(10, -2)$, $U(-4, -9)$.

a. Verify that it is a trapezoid (show calculations/work)

b. Determine if the it is an isosceles trapezoid.