Day 3 - Homework for Properties of Quadrilaterals

Name:

Solve for the variables.

1)

 

2)



3)

(3x – 5)°

(2x + 36)°



4) Solve for *x* in the rhombus below.

4)

 

 5) In the rectangle below, find CT, HA, AT, and MA

 Then find the perimeter and area of the rectangle.

 

C

24

H

T

13

A

M

 

6)

*y*

*z*

*x*



7)

8) In a trapezoid, ***consecutive angles are supplementary*** (because of same side interior angles).



>

>

C

B

9) In an isosceles trapezoid, ***base angles are congruent*** (because of HL $≅$).





If you draw two perpendicular heights from BC to AD, you create two triangles, ΔABF and ΔDCE, that are congruent by HL $≅$.

So, ∠A $≅$∠D, by CPCTC.

F

E

D

A

>

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