Name:

Date:

School:

Facilitator:

7.06 Trapezoids

Total Points: 28

1. Find the angle measures of the missing angles.



x =

1. SegmentT is the midsegment of the trapezoid. Find x.



S**R**

**T**

x =

1. Segment RT is the midsegment of the trapezoid. Find x.



**R**

**T**

x =

1. Find the midsegment of trapezoid ADCB given that A(1,1), D(5,1), C(4,8), and B(2,8).

a. State the coordinates of the endpoints of the midsegment. Show your work!

 (      ,      ) and (      ,      )

b. Verify that the midsegment is parallel to the bases of ADCB. Show your work!
Slope of AD =

Slope of BC =
Slope of midsegment =

c. Verify that the length of the midsegment is half the sum of the lengths of the bases. Again, Show your work.

Length of AD =

Length of BC =
Sum of length of bases:

Length of midsegment:

