

Name:

Class:

Topic:

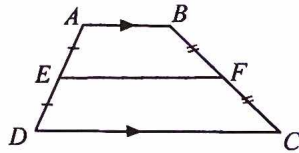
Date:

Main Ideas/Questions

Notes

MIDSEGMENT of a TRAPEZOID

The midsegment of a trapezoid connects the midpoints of the legs:



If \overline{EF} is the midsegment of trapezoid $ABCD$, then:

- _____
- _____

Practice! Use the trapezoid above for questions 1-4.

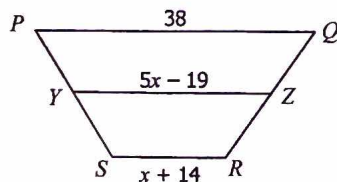
1. If $AB = 14$ and $DC = 26$, find EF .

2. If $AB = 7$ and $DC = 31$, find EF .

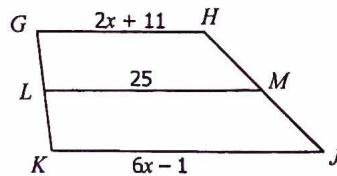
3. If $EF = 22$ and $DC = 38$, find AB .

4. If $AB = 41$ and $EF = 47$, find DC .

5. For trapezoid $PQRS$, Y and Z are midpoints of the legs. Find YZ .



6. For trapezoid $GHJK$, L and M are midpoints of the legs. Find KJ .



7. For trapezoid $WXYZ$, U and V are midpoints of the legs. Find UV .

