

# Unit 5: Relationships Within Triangles

## HW 5.1: Triangle Midsegments

Name KEY

Date \_\_\_\_\_ Period/Class \_\_\_\_\_

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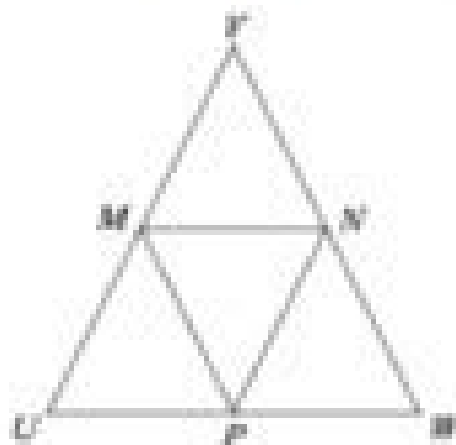
In each triangle, M, N, and P are the midpoints of the sides. Complete each statement.

1.

a)  $\overline{UV} \parallel$   $\overline{NP}$

b)  $\overline{VW} \parallel$   $\overline{MP}$

c)  $\overline{MN} \parallel$   $\overline{UW}$

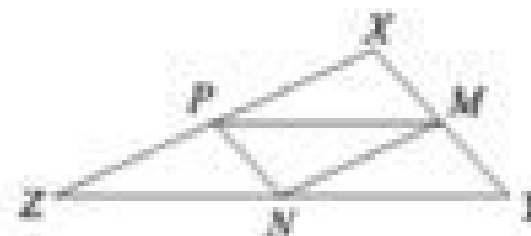


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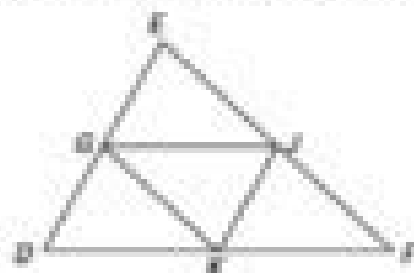
a)  $\overline{XY} \parallel$   $\overline{NP}$

b)  $\overline{NM} \parallel$   $\overline{XZ}$

c)  $\overline{PM} \parallel$   $\overline{YZ}$



3. If G, J, and K are the midpoints of the sides of  $\triangle DEF$  and  $EF = 18$ ,  $DE = 12$ ,  $GJ = 8$ , then find the indicated measures.



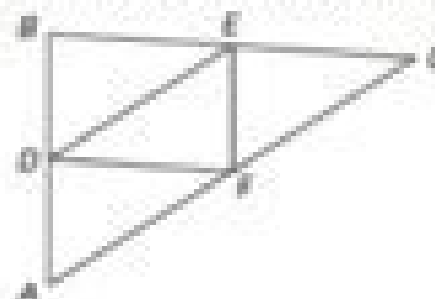
$\overline{JK} =$  6

$\overline{GK} =$  9

$\overline{DF} =$  16

$\overline{EJ} =$  9

4. If D, E, and F are the midpoints of the sides of  $\triangle ABC$  and  $BC = 28$ ,  $DE = 15$ ,  $AD = 12$ , then find the indicated measures.



$\overline{DF} =$  14

$\overline{FC} =$  15

$\overline{AB} =$  24

$\overline{EF} =$  12

# 5 Triangle Midsegments Answer Key

**Ron Larson**



## 5 Triangle Midsegments Answer Key:

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web sep 20 2017 [astm a105 astm a350 lf2 tensile strength min psi 70 000 70 000 95 000 tensile strength min n mm<sup>2</sup> 485 485 655 yield strength min psi 36 000 36 000 yield strength min n mm<sup>2</sup> 250 250 elongation 22 22 reduction of area 30 30 hardness maximum 187 15 12 ft lbs cvn at 50 20 16 joules](#)

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web jun 27 2023 [the yield strength of astm a105 is also greater than that of astm a105n impact strength the impact strength of astm a105 is lower than that of astm a105n this means that astm a105 is more likely to break under impact than astm a105n temperature range](#)

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