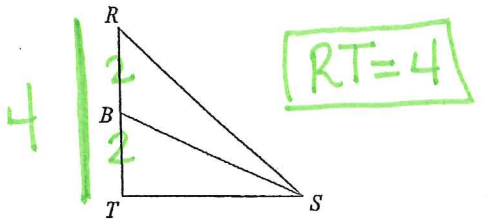
Geometry Name Key

Median Individual Practice

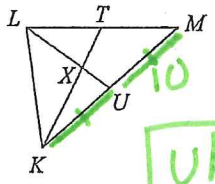
Each figure shows a triangle with one or more of its medians.

1) Find RT if $BT = 2$



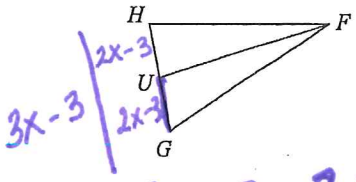
RT=4

2) Find UK if $UM = 10$



UK=10

3) Find x if $HG = 3x - 3$ and $UG = 2x - 3$



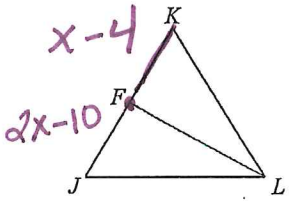
$3x-3 = 2x-3+2x-3$

$3x-3 = 4x-6$

$-3 = x-6$

$3 = x$

4) Find x if $FJ = 2x - 10$ and $FK = x - 4$

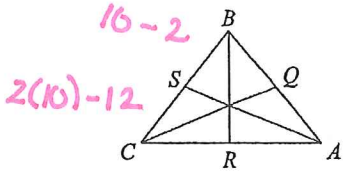


$2x-10 = x-4$

$x-10 = -4$

$x = 6$

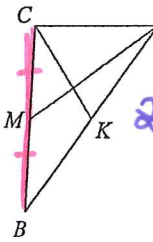
5) Find x if $SC = 2x - 12$ and $SB = x - 2$



$x = 10$

CB=16

6) Find x if $MB = \frac{1}{2}x$ and $MC = \frac{2x-5}{2}$



$2 \cdot \frac{2x-5}{2} = \frac{1}{2}x \cdot 2$

$2x-5 = x$

$-2x \quad -2x$

$-5 = -1x$

$-1 \quad -1$

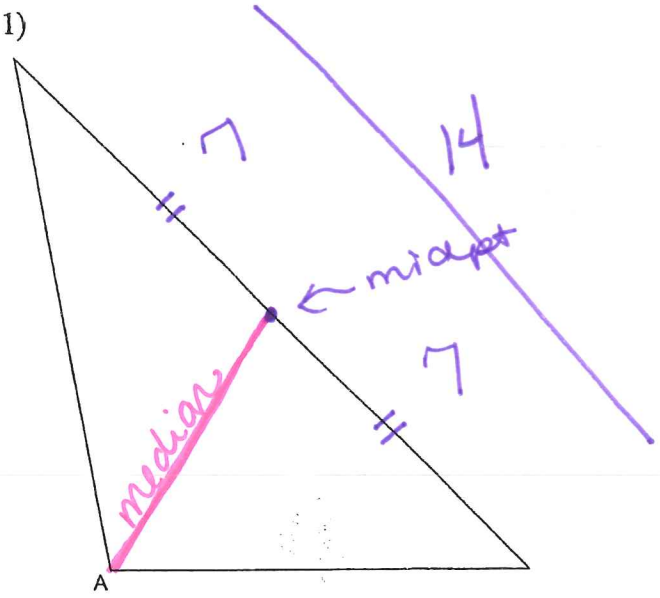
$5 = x$

Geometry Name_____

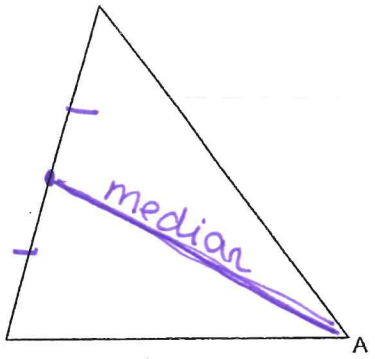
Practice Constructing Medians

For each triangle, construct the median from vertex A.

1)



2)



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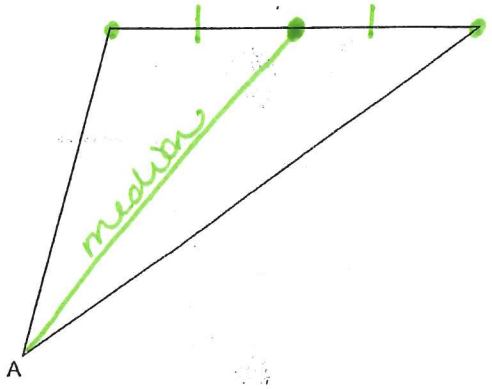

median a segment that connects the midpt of a side to the opposite vertex.

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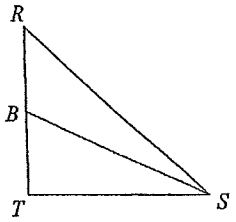

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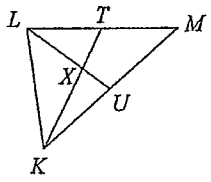

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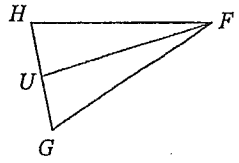

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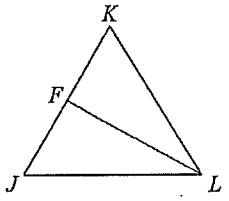

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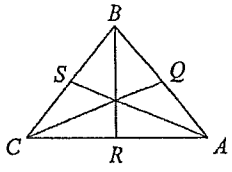
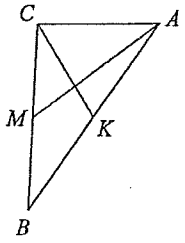


6) Find x if $MB = \frac{1}{2}x$ and $MC = \frac{2x-5}{2}$



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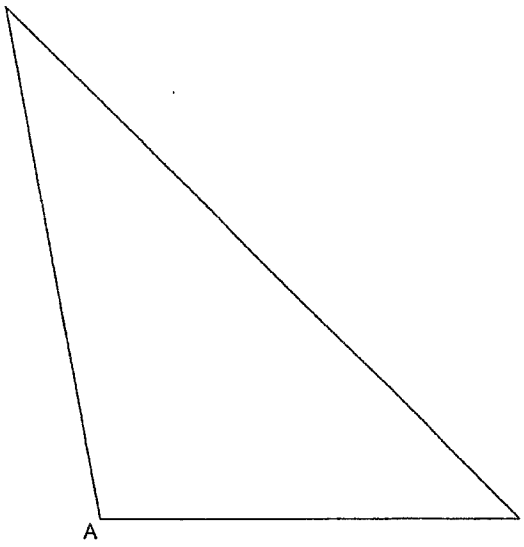
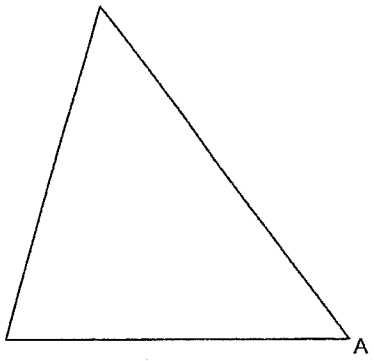


2)



3)