Pre-AP Geometry

Name:_____

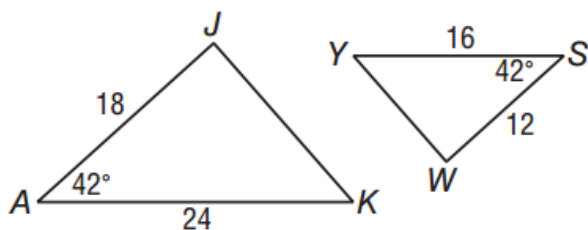Per:_____

POINTS:____

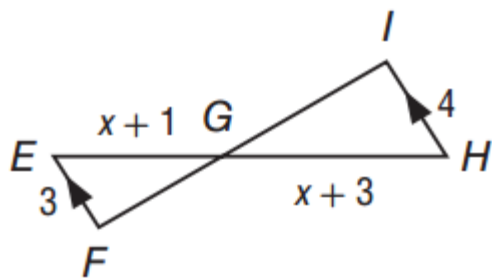<div style="text-align:center">Homework #18 Quiz</div>

Be sure to include your work when appropriate.

1. Determine whether the triangles are similar. If so, write a similarity statement. If not, what would be sufficient to prove the triangles similar? Explain your reasoning.

2. Identify the similar triangles. Then find each measure.

Pre-AP Geometry

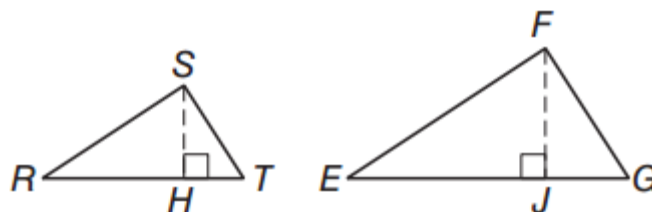Name:_____

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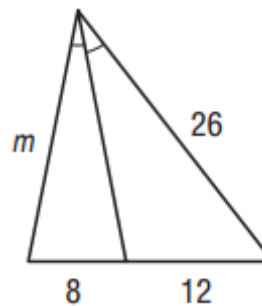
<div style="text-align:center">Homework #19 Quiz</div>
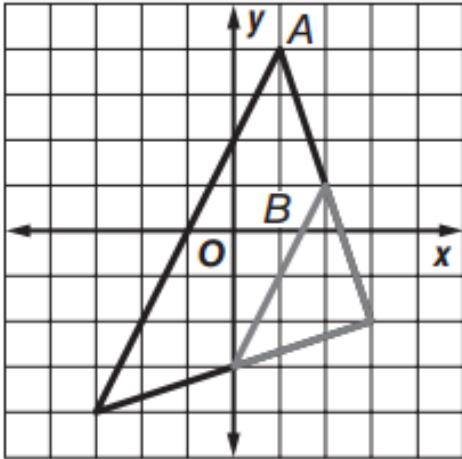
Be sure to include your work when appropriate.

1. If $\Delta RST \sim \Delta EFG$, SH is an altitude of RST, FJ is an altitude of EFG, ST = 6, SH = 5, and FJ = 7, find FG.
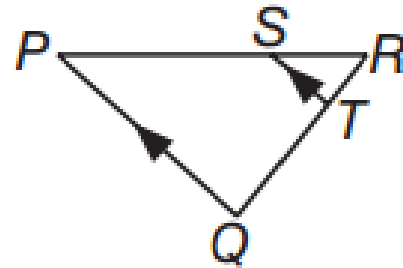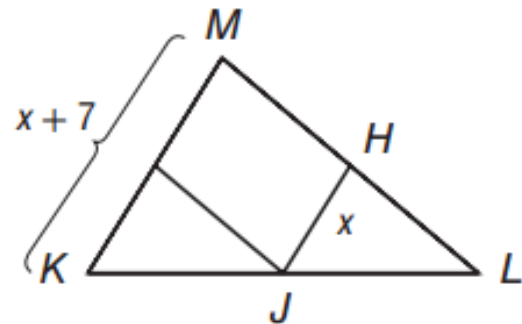

2. Find the value of the variable.

3. Determine whether the dilation from A to B is an enlargement or a reduction. Then find the scale factor of the dilation.

4. Graph the original figure and its dilated image. Then verify that the dilation is a similarity transformation.

Q(1, 4), R(4, 4), S(4, -1),

X(-4, 5), Y(2, 5), Z(2, -5)

3. If QT = x + 6, SR = 12, PS = 27, and TR = x - 4, find QT and TR.

4. JH is a midsegment of KLM. Find the value of x.

5. Find x and y.