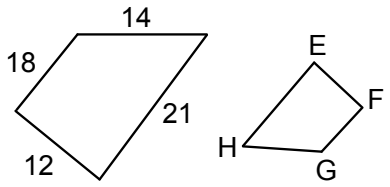
Which of the following is a dilation?

$(x,y)\to(x,y)$ $(x,y)\to(-2x,-.5y)$

$(x,y)\to(x+2,y-1)$ $(x,y)\to\left(\frac{1}{2}x,\frac{-1}{2}y\right)$

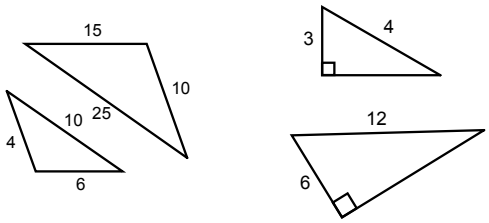
$(x,y)\to(3x,3y)$

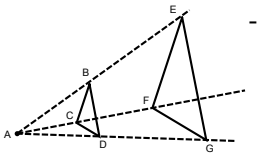
If the figures are similar find the sides of EFGH and the perimeter. k=2/3



What are the three reasons to prove triangles are similar?

Determine if the triangles are similar:





- Name Proportional sides

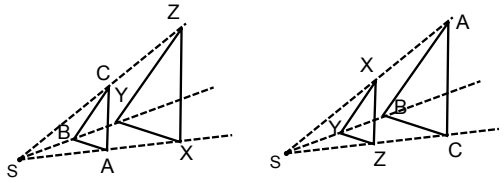
- What is the point of dilation?

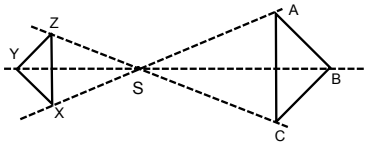
How are the shapes related? what's a good scale factor?

Give a similarity statement.

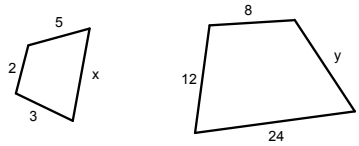
if AB=8 and AE=12 what's the dilation factor.

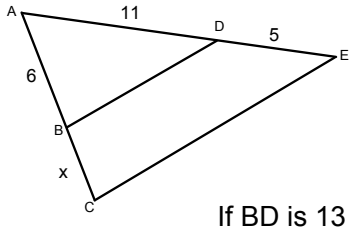
Give a reasonable scale factor from ABC to XYZ:





What's the scale factor and the missing sides?

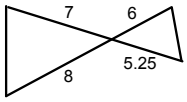


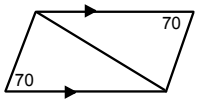


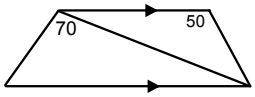
Find BC:

If BD is 13 what is CE:

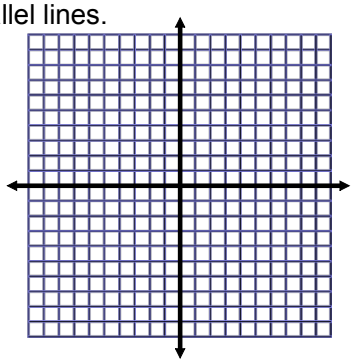
Can the figures be proven similar?







Graph A(1,1) B(3,3) C(-1,1) and its dilation XYZ with a scale factor of 3. Give the equation and a set of parallel lines.



Prove the triangles similar: