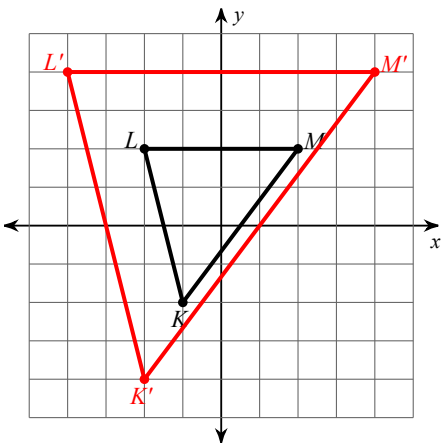
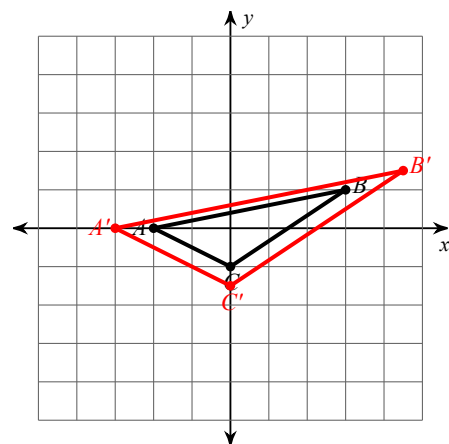


Graph the image of the figure using the transformation given.

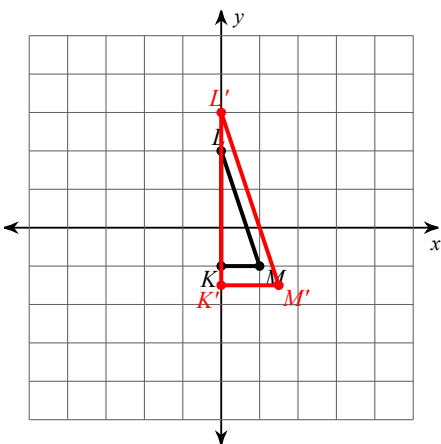
1) dilation of 2 about the origin



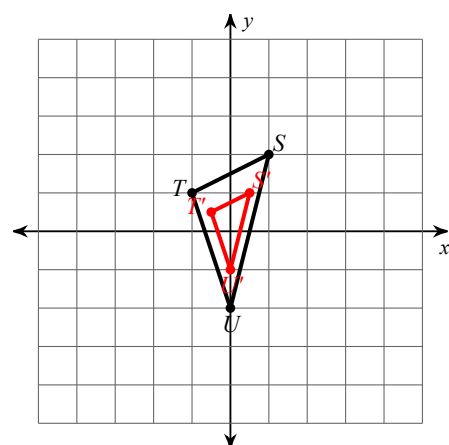
2) dilation of $\frac{3}{2}$ about the origin



3) dilation of 1.5 about the origin



4) dilation of $\frac{1}{2}$ about the origin



Solve each proportion.

5) $\frac{3}{x} = \frac{8}{5}$
 {1.88}

6) $\frac{8}{10} = \frac{x}{3}$
 {2.4}

7) $\frac{b}{9} = \frac{6}{2}$
 {27}

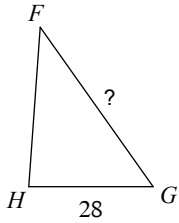
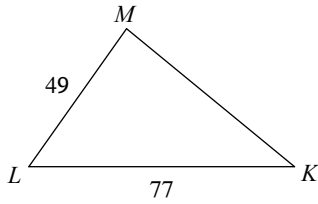
8) $\frac{n}{4} = \frac{6}{9}$
 {2.67}

9) $\frac{x}{5} = \frac{3}{4}$
 {3.75}

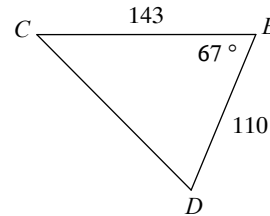
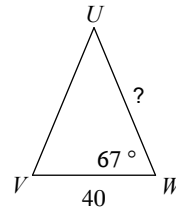
10) $\frac{x}{4} = \frac{7}{3}$
 {9.33}

Find the missing length. The triangles in each pair are similar.

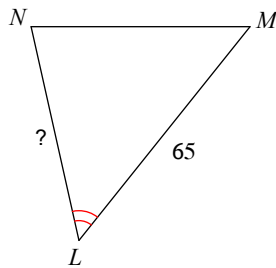
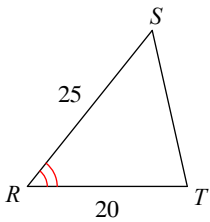
11) $\triangle KLM \sim \triangle FGH$ 44



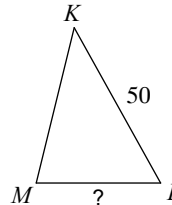
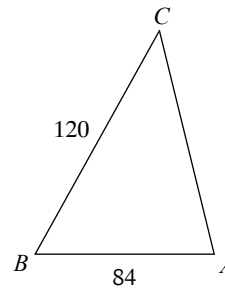
12) $\triangle EDC \sim \triangle WVU$ 52



13) $\triangle LMN \sim \triangle RST$ 52

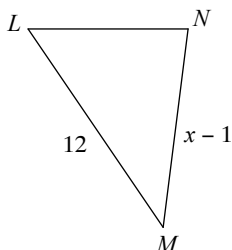
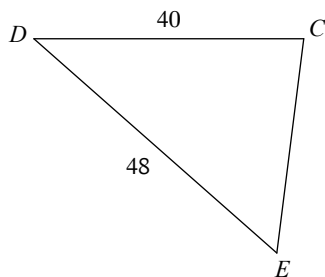


14) $\triangle CBA \sim \triangle KLM$ 35

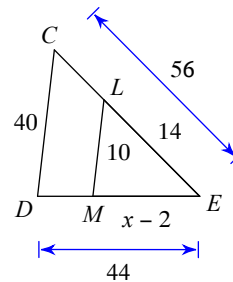


Solve for x . The triangles in each pair are similar.

15) $\triangle CDE \sim \triangle NML$ 11

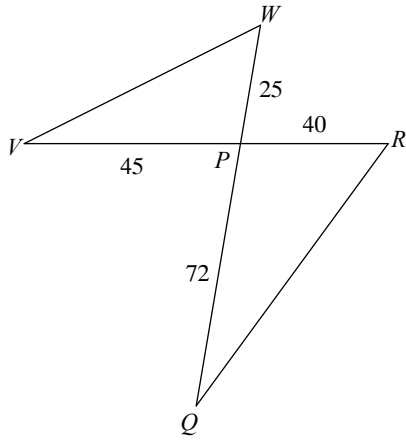


16) 13



State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

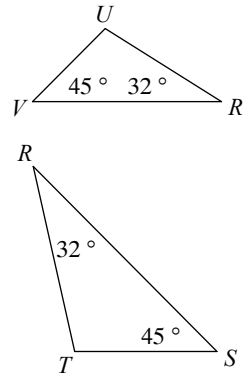
17)



$\triangle PQR \sim$ _____

similar; SAS similarity; $\triangle PVW$

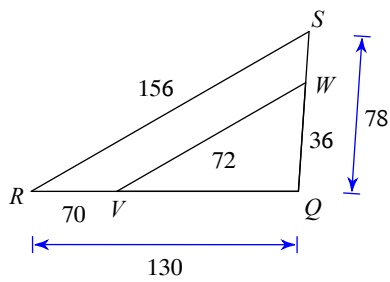
18)



$\triangle RST \sim$ _____

similar; AA similarity; $\triangle RVU$

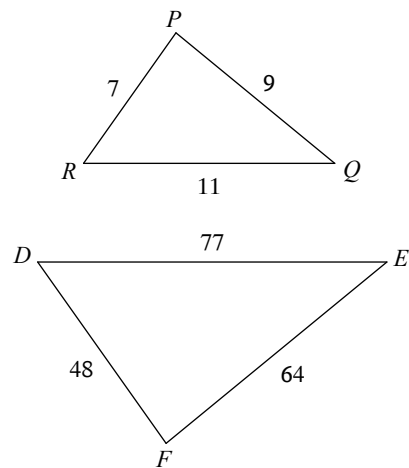
19)



$\triangle QRS \sim$ _____

similar; SSS and SAS similarity; $\triangle QVW$

20)



$\triangle FED \sim$ _____

not similar