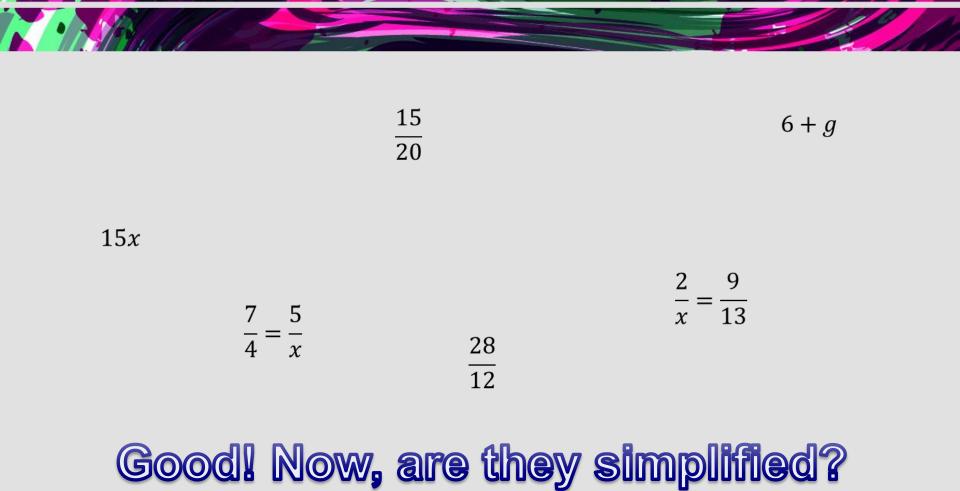


Chapter 8





Which of these are ratios?





- KRIS and LAUR are similar squares -RI = 6 and AU = 9
- Write a ratio of the side of square LAUR to it's perimeter
- Write a ratio of the perimeter of KRIS to the perimeter of LAUR



- OLDN and GRAV are similar rectangles
 OL = 2, LD = 5, RA = 10 and AV = 4
- Write a ratio of side OL of rectangle OLDN to it's perimeter
- Write a ratio of the area of GRAV to the area of OLDN



In similar polygons: angles are _____ side lengths are _____

What are the 3 methods to prove triangles similar?



Triangle ACE and Triangle NAT are similar with a scale factor of 3:7

If AC = 10, what is NA?

If NT = 21, what is AE?



Triangle BAD and Triangle DOG are similar with a scale factor of 2:5

If DO = 6, what is BA?

If BD = 3, what is DG?



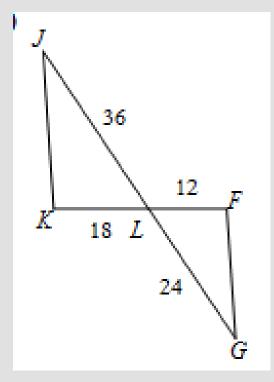


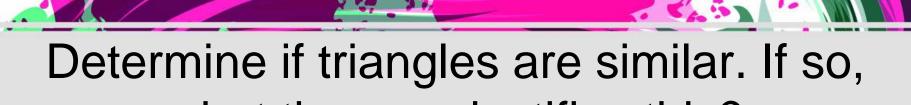
 Prove that Circle E centered at (-3, 0) and r = 5 is similar to Circle E' centered at (4, 3) and r = 1 using transformations



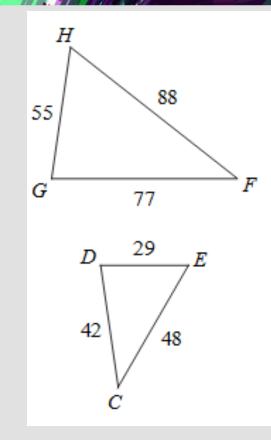
 Prove that Circle A centered at (4, 5) and r
 = 2 is similar to Circle A' centered at (3, 1) and r = 3 using transformations

Determine if triangles are similar. If so, what theorem justifies this?



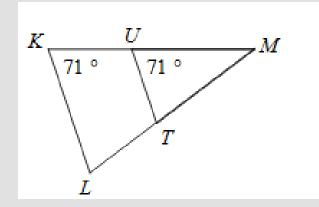


what theorem justifies this?





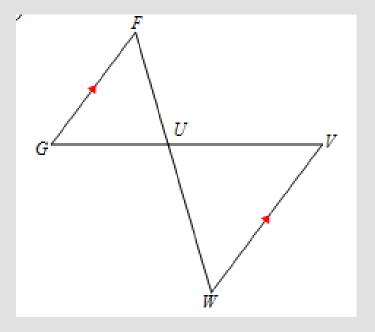
Determine if triangles are similar. If so, what theorem justifies this?







Determine if triangles are similar. If so, what theorem justifies this?

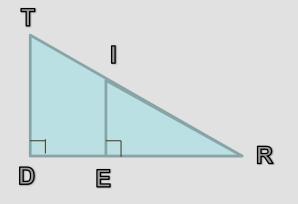








If RI = 7, IT = 3, IE = 5, what is DT?



If RD = 16, ED = 10, RI = 8, what is IT?







B Q C

If CP = 6, PA = 2, QP = 4, what is AB?

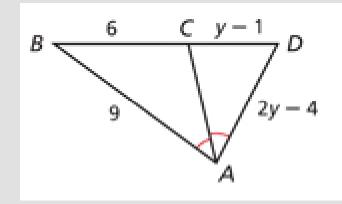
If AP = 10, PC = 14, BQ = 8, what is QC?





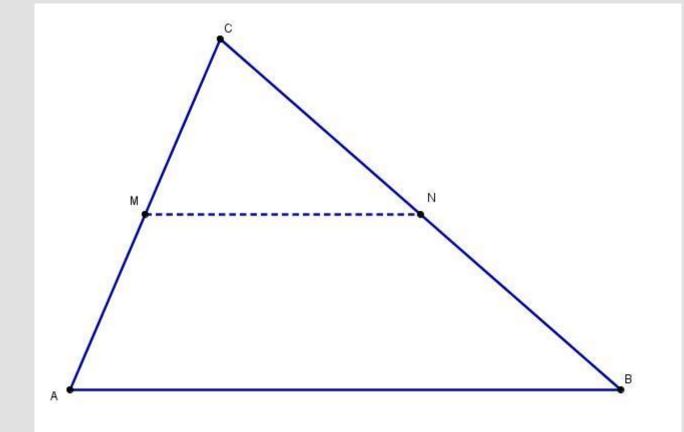
Find y







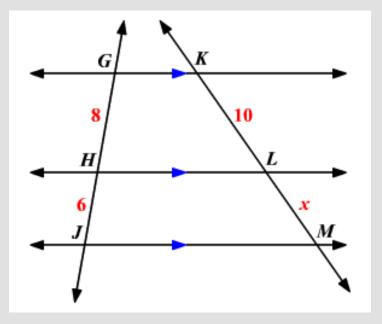
What must you know about MN and AB to prove the triangles





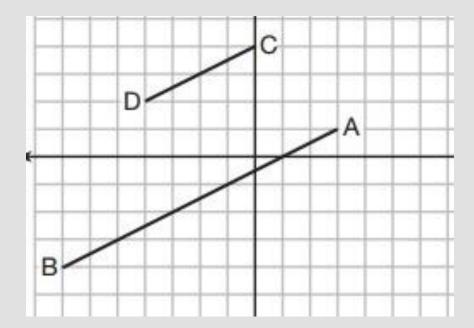
Solve for x.





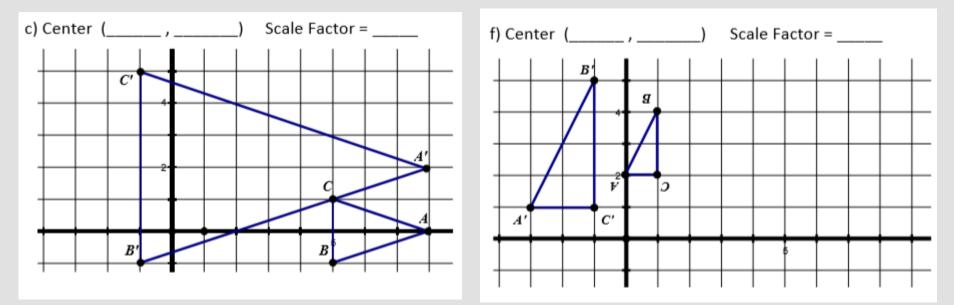
fppt.com

CD is the result of a dilation of segment AB. Find the center of







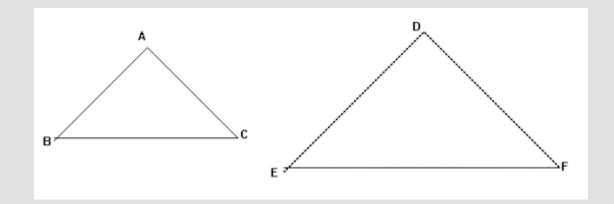


-

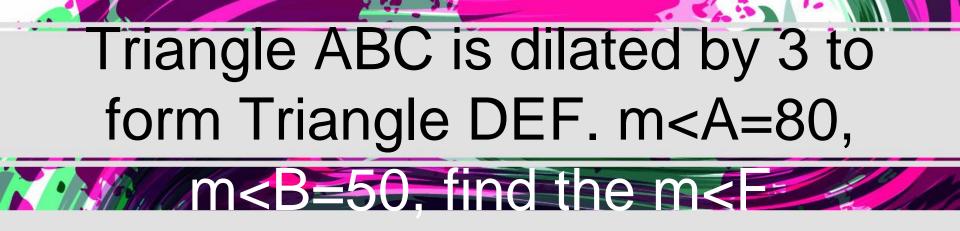
2

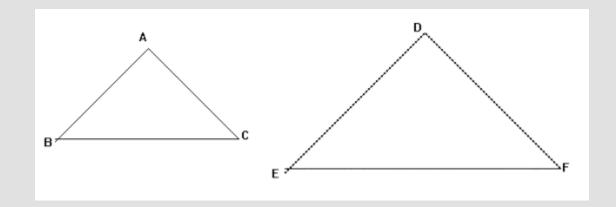
--

Triangle ABC is dilated by 3 to form Triangle DEF. DF=12, Find





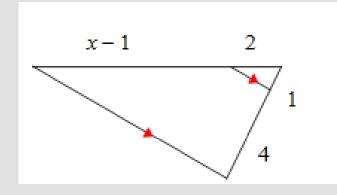












10

