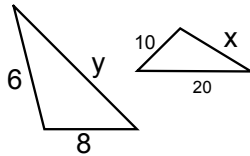
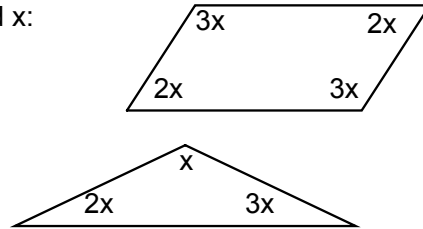


$$\triangle ABC \sim \triangle XYZ$$

Find the scale factor and the missing sides



find x:

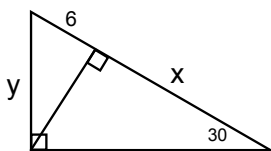


given triangle ABC with A(1,1), B(3,1) and C(2,4) perform the given transformation.

$$(x, y) \rightarrow (2x - 1, -y - 1)$$

Find the length between (1,2) and (3,4)

Find all the missing parts.



What is the most specific name for the shape?



The school is 50 feet tall. Mrs. Nichols wants to throw her Geometry book on top of the school when she is 15 feet from the building. At what angle will she have to throw the book?

I have a entertainment center that has a 42in by 42in opening and can hold 100lbs. I just bought a 55 in TV that is 30 inches tall. Will the TV fit in the opening?