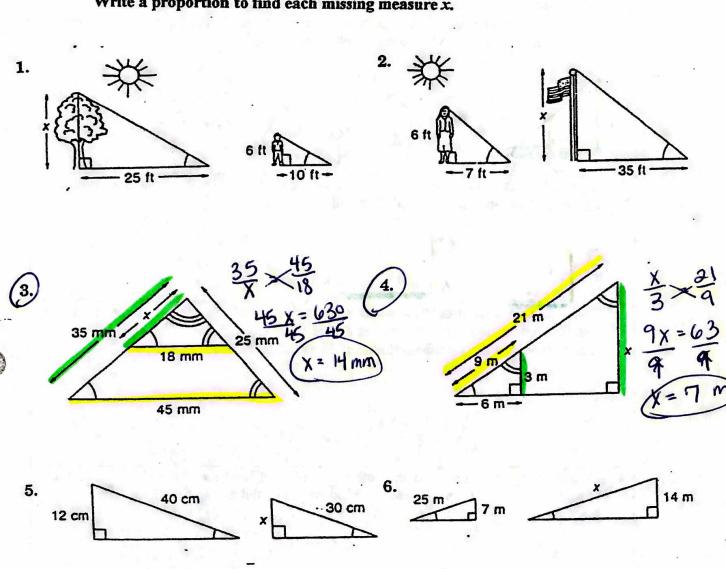
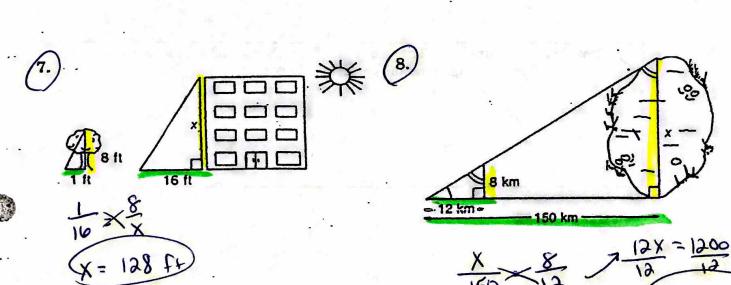
TEKS 8.9B; TAKS 4

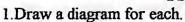
SIMILAR FIGURES

Write a proportion to find each missing measure x.

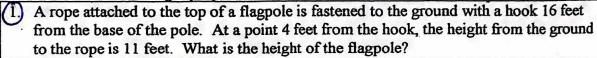


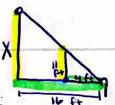


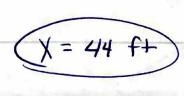
PROPORTIONS AND SIMILARITY



2. Then solve each using a proportion.

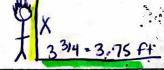




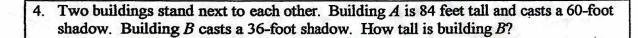


2. A girl standing next to her father casts a 3-foot shadow. Her father casts a 3\(^4\)-foot shadow. If the girl is 4 feet tall, how tall is her father?





3. Two ladders are leaning at the same angle against a wall on opposite sides of the wall. The first ladder is 8 feet tall, and has a base 2 feet from the wall. The base of the second ladder is 2.5 feet from the wall. How tall is the second ladder?



5.) Triangle ABC is similar to Triangle XYZ. Side AB is 6 meters, side XY is 2 meters and side XZ is 6 meters. Find the length of side AC.

