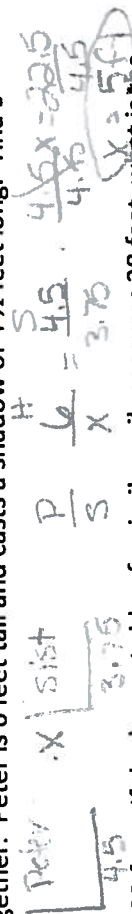


Word Problem Practice

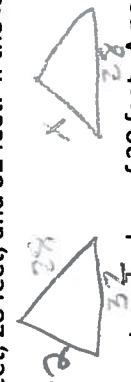
A building casts a shadow of 14 meters while a nearby tree casts a shadow of 7 meters. If the tree is 12 meters tall, how tall is the building?



Peter and his sister walk to swimming lessons together. Peter is 6 feet tall and casts a shadow of $4\frac{1}{2}$ feet long. Tina's shadow is $3\frac{3}{4}$ feet long. How tall is his sister?



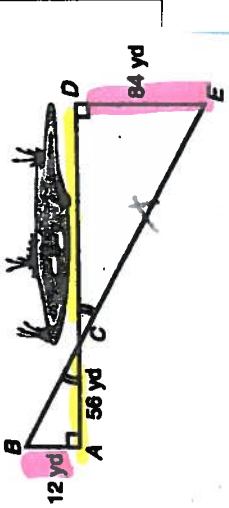
A triangular sail has sides of 12 feet, 28 feet, and 32 feet. If the longest side of a similar sail measures 28 feet, what is the measure of its shortest side?



Suppose a lamppost 20 feet high casts a shadow of 30 feet. A pole located next to the lamp post casts a shadow of 12 feet. How tall is the pole?



A surveyor determines the length of a pond by setting up similar triangles as show in the figure. If CE represents the length of the pond, how long is the pond?



$$\frac{12}{56} = \frac{84}{x}$$

$$12x = 4704$$

$$\frac{12x}{12} = \frac{4704}{12}$$

$$x = 392 \text{ yds}$$