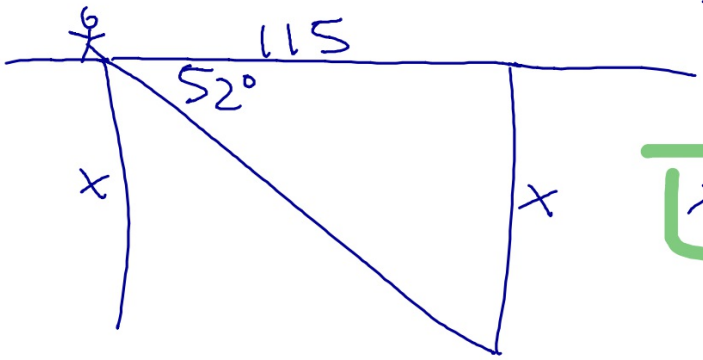
The Seattle Space Needle casts a 67-meter shadow. If the angle of elevation from the tip of the shadow to the top of the Space Needle is 70°, how tall is the Space Needle? Round to the nearest meter.

$\frac{\tan 70^\circ}{1} = \frac{x}{67}$

$x = 184$ m

An ice climber stands at the edge of a crevasse that is 115 ft wide. The angle of depression from the edge where she stands to the bottom of the opposite side is 52°. How deep is the crevasse at this point? Round to the nearest foot.



$\frac{\tan 52}{1} = \frac{x}{115}$

$x = 147$ ft