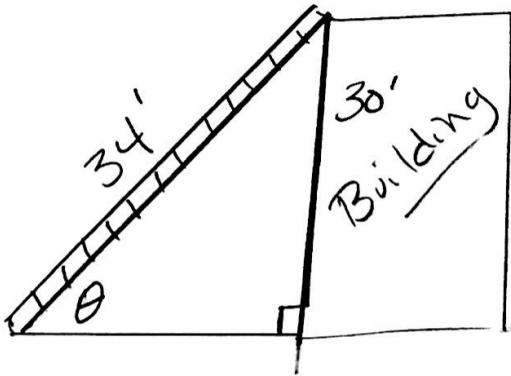


Warm-up: Applications 1

A 34-foot ladder rests against the top of a 30-foot building. Find the angle of elevation to the ladder.

Round to the nearest tenth.

$$S = \frac{O}{H}$$



$$\sin \theta = \frac{30}{34}$$

$$\theta = \sin^{-1}\left(\frac{30}{34}\right)$$

$$\theta = 61.9^\circ$$