angle of elevation



Angle of elevation= $\propto = 25^{\circ}$, vertical rice = H = 10 feet

Solution:

$$sin\alpha = \frac{H}{L}$$
$$L = \frac{H}{sin \propto} = \frac{10}{\sin 25^{0}} = 23.6 \text{ feet}$$

Answer: 23.6 feet