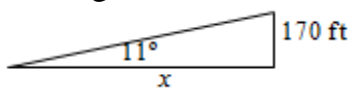


4-81. Both equal $\frac{3}{8}$.

4-82. $y = \frac{1}{3}x + 9$

4-83. See below.

a. See diagram below.



b. Ratio for $\tan 11^\circ \approx \frac{1}{5}$, so $\frac{170}{x} \approx \frac{1}{5}$, and $x \approx 850$ feet. Alternatively, a calculator could be used and $\frac{170}{\tan(11^\circ)} \approx 875$ feet.

4-84. See below.

a. $x = 49$

b. $x = 2$

c. $x = \frac{16}{3}$

d. $x = -5$ or 1

4-85. No. Triangle Inequality property prevents this because $7 + 10 < 20$ and $20 - 10 > 7$.

4-86. \$450