

Find the sec value of angle A

Sec A = $\boxed{5}$

$\frac{15}{3}$

Solve for x.

$$\tan(\boxed{5}x + 11) = \cot(6x + 2)$$

$$11x + 13 = 90$$

X = $\boxed{7}$

Find the exact value without a calculator.

$$\cos(\boxed{7} - 232)^\circ$$

$$\cos(-225)$$

$$= \boxed{-\frac{\sqrt{2}}{2}}$$

Use a calculator to approximate (to the nearest whole number)

$$\sec 58.9 \boxed{0} 41^\circ$$

= $\boxed{2}$

Give the exact value without a calculator.

$$\sin 90^\circ - 2\sec^2 \boxed{315} + \tan^2 60^\circ$$

$$1 - 2(\sqrt{2})^2 + (\sqrt{3})^2$$

$$1 - 4 + 3$$

= $\boxed{0}$

What is the largest value from 0° to 360° of Θ , simplify without a calculator?

$$\sin \Theta = \boxed{-\frac{\sqrt{2}}{2}}$$

$\Theta = \boxed{315^\circ}$

Find the value of Θ (to the nearest degree) from $[0^\circ, 90^\circ)$ interval of $\sin \Theta = .27843 \boxed{2} 96$

$\Theta = \boxed{16}$

Solve for b. Round answer nearest tenth.

$\tan 16 = \frac{32}{b}$

b = $\boxed{111.6}$

A guy wire is $\boxed{111.6}$ meters long and is attached to the top of an antenna that is 98.2 meters tall. What is the angle formed by the ground and the wire? Round to nearest hundredth.

= $\boxed{61.63}$

Find h in the indicated figure. Use the back of page for your work.

Final answer $\boxed{133.14}$

355 km

work on back

A ship leaves a pier bearing $S 54^\circ E$ and travels 75 km. A second ship leaves the same pier bearing $N \boxed{30}^\circ E$ and travels 110 km in the same Amount of time. How far apart are the ships? Round to nearest hundredth

$$110^2 + 75^2 = x^2$$

= $\boxed{133.14}$ km

A company has installed a flood Light to illuminate their exit. What is the angle of depression from the light to the exit? Round to nearest degree.

$$\tan \Theta = \frac{61.63}{84.5}$$

84.5 feet = $\boxed{36^\circ}$