

Right Δ 's: SOHCAHTOA
Solve the Δ ;

① $6.09 = b$
 $c = 9.28$
 $a = 7$

$\Delta: \begin{matrix} 180 \\ - 49 \\ \hline 131 \end{matrix}$

(c) $\sin 49^\circ = \frac{7}{c}$ or $\cos 41^\circ = \frac{7}{c}$
 $c = \frac{7}{\sin 49^\circ} = 9.28$

Sep 28-12:05 PM

②

$\Delta: \begin{matrix} 180 \\ - 90 \\ \hline 90 \end{matrix}$

$a = 11.49$
 $a^2 + 8^2 = 14^2$
 $a^2 = 132$
 $a = 11.49$

$\sin B = \frac{8}{14}$
 $B = 34.8^\circ$

Sep 28-12:19 PM

③ $\beta = 42^\circ 10'$
 $\frac{10}{60}$
 $= 42.17^\circ$
 $a = 9$

Sep 28-12:24 PM

angle of elevation
angle of depression

Sep 28-12:33 PM

$\tan \theta = \frac{169.29}{201.2}$
 $\theta = 40.1^\circ$

Sep 28-2:58 PM