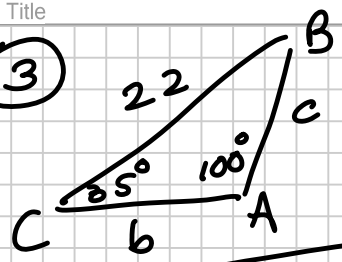
Section 5.5
p. 484 #3,6,7,17,18,40,43

Note Title 11/5/2014

(3)



$m\angle B = 45°$

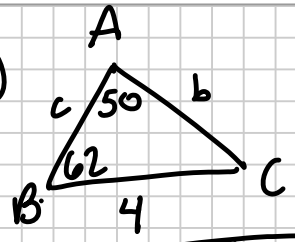
$\frac{\sin 100}{22} = \frac{\sin 35}{c}$

$c = 12.8$

$\frac{\sin 100}{22} = \frac{\sin 45°}{b}$

$b = 15.8$

(6)



$m\angle C = 68°$

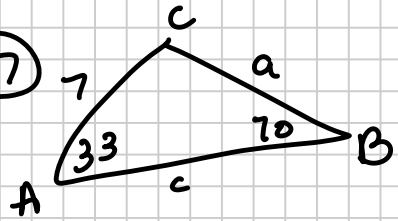
$\frac{\sin 50}{4} = \frac{\sin 62}{b}$

$b = 4.6$

$\frac{\sin 50}{4} = \frac{\sin 68}{c}$

$c = 4.8$

(7)



$m\angle C = 77°$

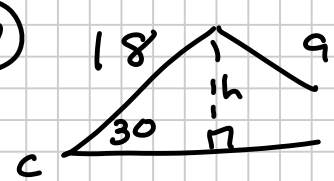
$\frac{\sin 70}{7} = \frac{\sin 33}{a}$

$a = 4.1$

$\frac{\sin 70}{7} = \frac{\sin 77}{c}$

$c = 7.3$

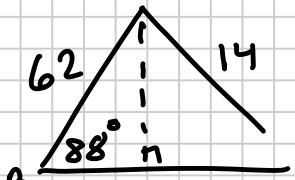
(17)



$h = 18\sin 30 = 9$

1 △

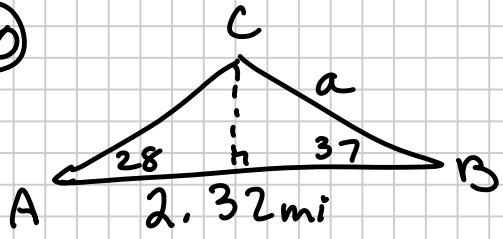
(18)



$h = 62\sin 88 \approx 62$

0 △s

(40)



$m\angle C = 115°$

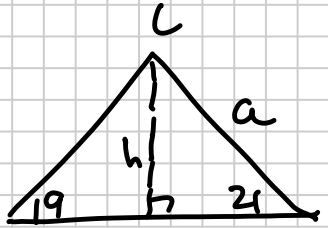
$\frac{\sin 115}{2.32} = \frac{\sin 28}{a}$

$a = 1.202$

$h = a\sin 37°$

h = .72 miles

(43)



$m\angle C = 140°$

$\frac{\sin 140}{600} = \frac{\sin 19}{a}$

$a = 303.9$

$h = a\sin 21°$

h = 108.91 ft