フ.O レイソ エロマン Friday, October 31, 2014 10:19 AM			
p. 448: 1, 3, 6, 9, 35, 38			
C= 18.31° C	$= 43.25^{\circ}$ (2) $b = 29.52$ (2) ho = 59.94° $C = 21.66^{\circ}$ = 76.81° $A = 123.34^{\circ}$	△ 35130.42ft (3	39841.22ft
Solutions			
(1)	S→Law of Cosines		
A 131° A 131° 13 C	$b^{2} = a^{2} + c^{2} - 2ac\cos B$ $b^{2} = 13^{2} + 8^{2} - 2(13)(8)\cos 3 $ $b^{2} = 369.46$ b = 19.22	$\frac{Sinc}{8} = \frac{sin131}{19.22}$ Sinc = .31 $C = [8.31]^{\circ}$	A= 180 - (131 +18.31) A= 30.69°
	SS-> Law of cosines		
3 24 19 8 27 6	$b^{2} = a^{2} + c^{2} - 2ac \cos B$ $ q^{2} = 27^{2} + 24^{2} - 2(27)(24)\cos B$ $36 = 1305 - 1296\cos B$ $-944 = -1296\cos B$ $-73 = \cos B$ $43.25^{\circ} = B$	$\frac{51hc}{24} = \frac{51n43.25}{19}$ 5inc = .87 $c = 59.94^{\circ}$	A=180-(59:94+43.25 A=76.81°
B 35 43	SAS⇒ Law of cosines!		
A 29.52 C	$b^{2} = a^{2} + c^{2} - 2ac aos B$ $b^{2} = 43^{2} + [a^{2} - 2(43)(a) cos 35]$ $b^{2} = 871.51$ $b^{2} = 29.52$	$5 \frac{51nC}{19} = \frac{51n35}{29.52}$ 51hC = .37 $C = 21.66^{\circ}$	A=180-(35+21.66) A=123.34°
۵ م	SAS ⇒ Law of cosines		
4 0	$a^2 = b^2 + c^2 - 2bc \cos A$		
A 5	$1^{2} = 5^{2} + 4^{2} - 2(5)(4)\cos A$ - 40 = - 40\cos A $1 = \cos A$		
	0°= A ⇒ no triangles		
35 A 7	B		
	^B SAS \Rightarrow Law of Cosines $c^2 = a^2 + b^2 - 2ab\cos C$		
110 540 160	$C^{2} = a^{2} + b^{2} - 2ab\cos C$ $C^{2} = b0^{2} + 10^{2} - 2(160)(10)cc$ $C^{2} = 7009.96$ $C = 30.42 + b $	»s54-	
V c	C- [20.72] U		
(38)	$B = 0^{2} = a^{2} + b^{2} - 2ab\cos C$		

5.6 Day 1 HW