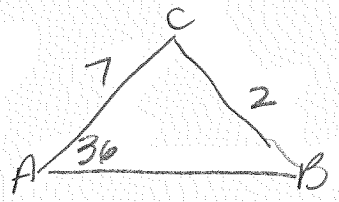
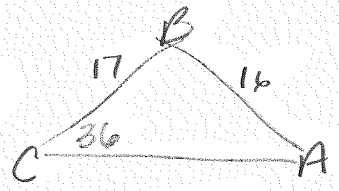
# More LOS Practice WS

1) 


h = 4.11 No Δ

2) 


h = 9.99 2 Δ

A = 38.6 a = 17
B = 105.4 b = 26.2
C = 36 C = 16

$\frac{\sin 36}{16} = \frac{\sin A}{17}$

A = 38.6

$\frac{\sin 36}{16} = \frac{\sin 105.4}{b}$

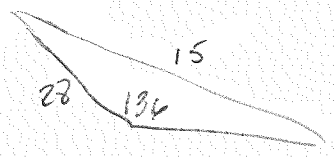
b = 26.2

A = 141.4 a
B = 2.6 b = 1.2
C C

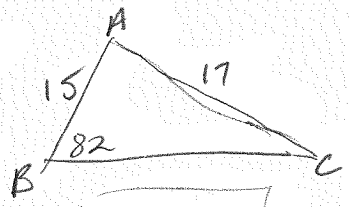
B =

$\frac{\sin 36}{16} = \frac{\sin 2.6}{b}$

b = 1.2

3) 


no Δ

4) 


h = 14.85 1 Δ

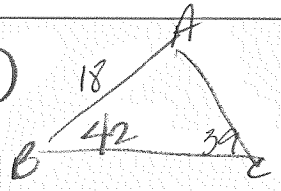
A = 37.1 a = 10.4
B = 82 b = 17
C = 60.9 c = 15

$\frac{\sin 82}{17} = \frac{\sin C}{15}$

C = 60.9

$\frac{\sin 82}{17} = \frac{\sin 37.1}{a}$

a = 10.4

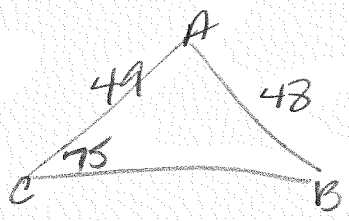
5) 


$A = 99$
$B = 42$
$C = 39$

$a = 28.3$
$b = 19.1$
$C = 18$

$\frac{\sin 39}{18} = \frac{\sin 42}{b}$

$\frac{\sin 39}{18} = \frac{\sin 99}{a}$

6) 


$h = 47.3$ 2 Δ's

$A = 24.6$
$B = 80.4$
$C = 75$

$a = 20.7$
$b = 49$
$C = 48$

$A = 5.4$
$B = 99.6$
$C$

$a = 4.7$
$b$
$C$

$\frac{\sin 75}{48} = \frac{\sin B}{49}$

$B = 80.4$

$\frac{\sin 75}{48} = \frac{\sin 24.6}{a}$

$a = 20.7$

$B = 180 - 80.4$

$\frac{\sin 75}{48} = \frac{\sin 5.4}{a}$

$a = 4.7$