

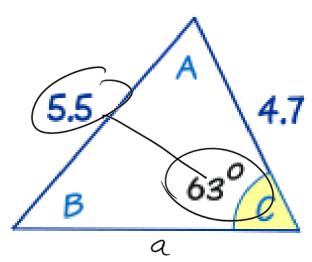
sin A	_ sin B	sin C
<u>a</u>	b	<i>C</i>
а	b	С
sin A	= <u>sin </u>	sin C

Tip - always put the unknown (the thing you are looking for) in the numerator (the top)

> everything

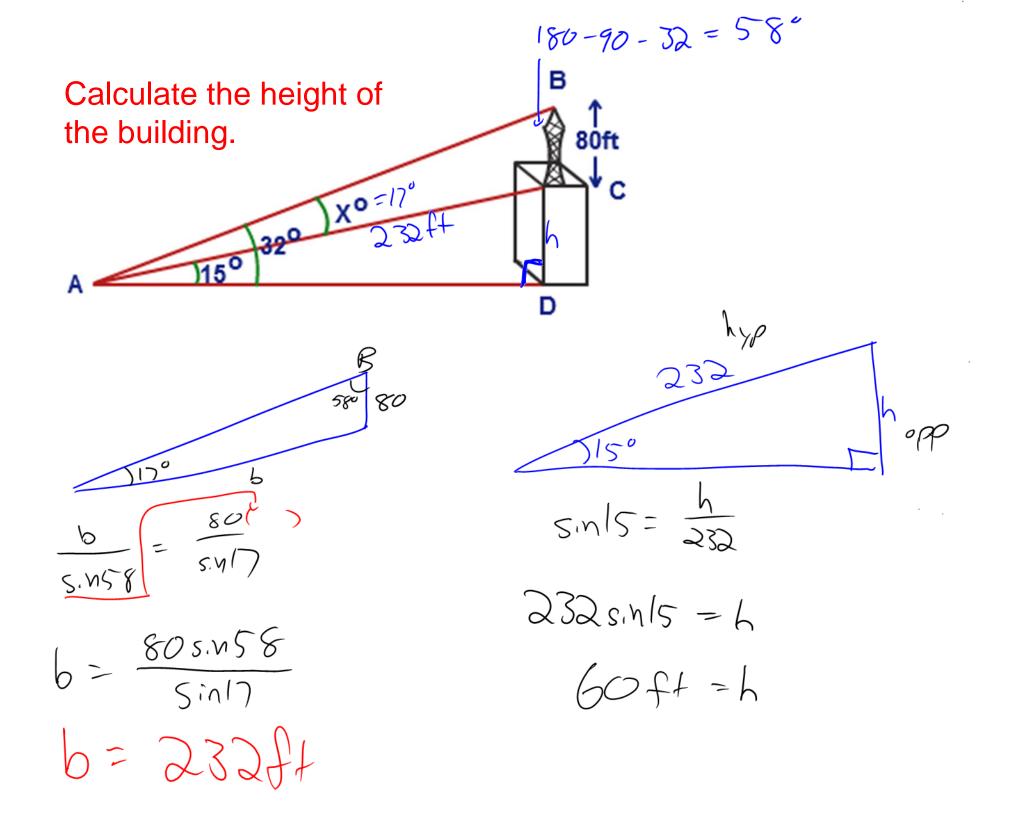
(All 3 angles add up to 180'

Solve **ABC**:



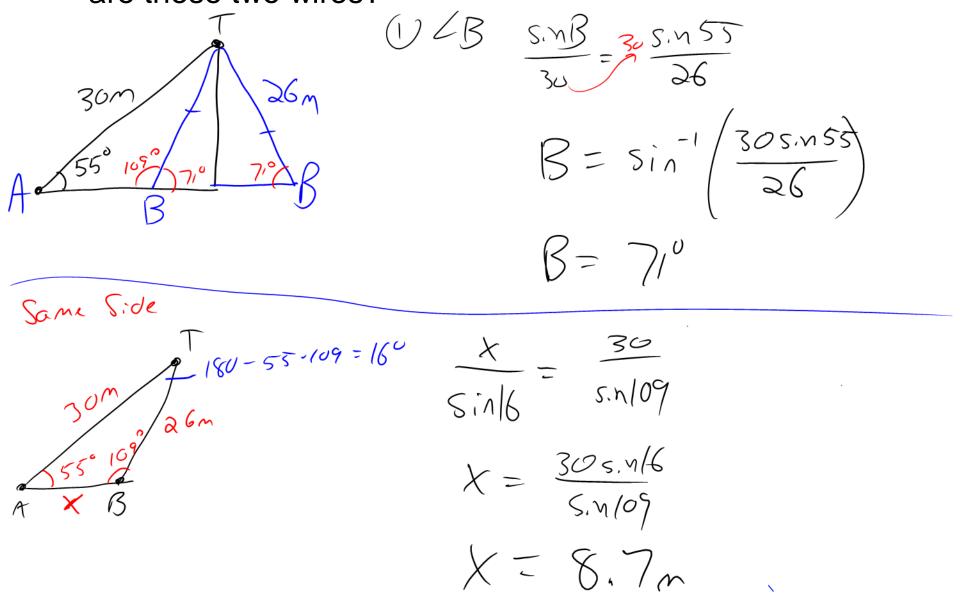
a = 5.7 $LA = 67^{\circ}$ b= 4.7 $LB = 50^{\circ}$ $LC = 63^{\circ}$ C = 5.5

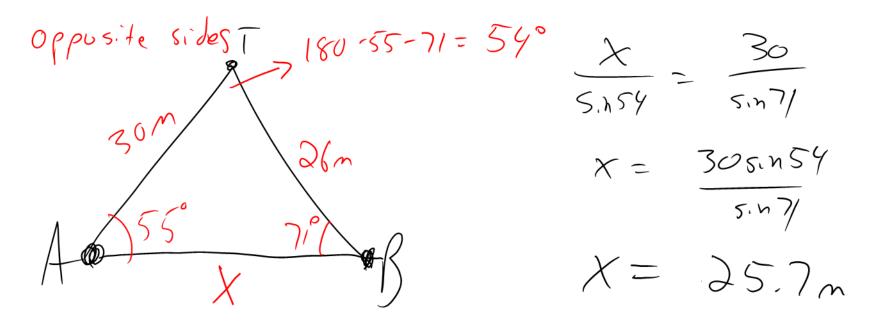
() LA= 180 - 50-63 (3) side a LA=67° a - $(1) \angle B$ $=\frac{5.5(5.067)}{5.063}$ a 5.467 SinB(1) (4,5)in63 4,7 5.5 $a = \frac{5.55.067}{5.063}$ $sinB = \frac{9.7 s.463}{5.5}$ $B = 5in' \left(\frac{4.75in63}{5.5} \right) = 50^{\circ}$ 5.7 a =



A word problem with an issue:

A tower is supported by guy wires. One wire is 30m with an angle of elevation of 55°. Another wire is 22m. How far apart are these two wires?





Hamework: pg 318 # 1,4,7,8,9 Sanswer wrong in buck