Solving a triangle: find ALL the missing pieces

Appropriate labels: If you look back at your notes you will see that we always used Lower case letters for sides Capital letters for angles

In fact: the labels follow a set pattern

Little c is opposite big C Little b is opposite big B Little a is opposite big A



So, we must label our answers correctly when 'solving' a triangle









Solve the following – Problem?



NO right angle Can't use SOHCAHTOA

Solve the triangle



Assignment = worksheet

Triangle Solving worksheet (be sure to label correctly ... and draw your Δ) ΔMAT has a right angle at M and m = 16 and t = 9, solve this triangle

1)

2) \triangle *HTE has a right angle at H and t = 25 and E = 12°, solve this triangle*

3) $\triangle NIS$ has a right angle at S and s = 22.7 and i = 14, solve this triangle

4) $\triangle RAD$ has a right angle at A and a = 26.5 and d = 11.2, solve this triangle

5) \triangle YEA has a right angle at A and $Y = 41^{\circ}$ and y = 15, solve this triangle

6) $\triangle HWO$ has a right angle at O and h = 46 and $W = 12^{\circ}$, solve this triangle

7) Now complete: Page 111 #6

a)

b)

c)

d)