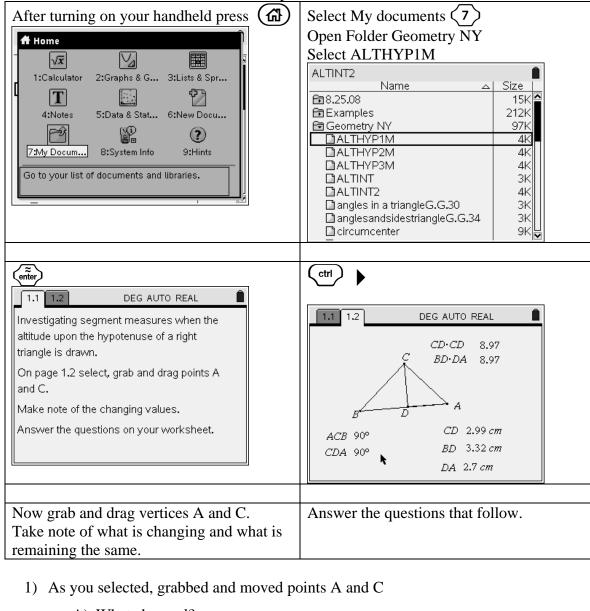
Student Worksheet for G.G. 47 and TI Nspire



- A) What changed? _____
- B) What remained the same?
- 2) What kind of triangle is $\Box ABC$?
- 3) Name the hypotenuse of $\Box ABC$.

4)	<i>CD</i> must be a(an)
	A) median
	B) angle bisector
	C) altitude
	D) perpendicular bisector
5)	Name the segments of the hypotenuse
6)	Which of the following statements seems to be true? A) CD*CD > BD*DA B) CD*CD = BD*DA C) CD*CD < BD*DA
7)	The answer to question 5 allows us to rewrite the expression as a proportion. Fill in the missing extremes: $\frac{?}{CD} = \frac{CD}{?}$
8)	The answer to question 5 allows us to rewrite the expression as a proportion. Fill in the missing means: $\frac{BD}{?} = \frac{?}{DA}$
9)	When the means of a proportion are the same that value is called the mean
	proportional. Example: $\frac{a}{x} = \frac{x}{b}$ In this proportion x is the mean proportional between a and b . Using this example as a guide and your answers to questions 6
	and 7 fill in the blanks of the following statement:
	CD is the between and
10)	Using your answers to questions 3 and 4 generalize the answer to question 8.
If t	the altitude is drawn upon the hypotenuse of a right triangle then the
is t	the mean proportional between the