## - 9.6 Trigonometry DAY THREE CYU II: Angle of Elevation and Depression

☐ Use when you get it right all by yourself

 $oldsymbol{\mathcal{S}}$  Use when you did it all by yourself, but made a silly mistake

HUse when you could do it alone with a little help from teacher or peer

 $m{6}$  Use when you completed the problem in a group

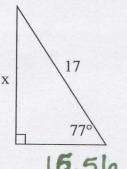
X Use when a question was attempted but wrong (get help)

NUse when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Solving Right Triangles	1 - 3	4, 5	
Real-World Application			6 - 12
Rounding answers	1 - 12		0 12
Creating diagrams		6, 7, 10, 11, 12	
Appropriate units		6 - 12	

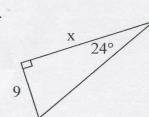
## I. Solve for x to the nearest hundredth. Show set up to earn full credit.

1.



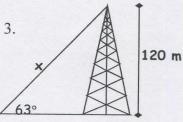
16.56

2.



20.21

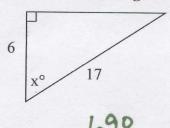
3.



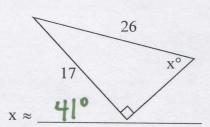
134.68

## II. Find x to the nearest degree. Show set up to earn full credit.

4.



5.



## III. For each of the following, draw a picture if not given, write the trig ratio, round to the nearest whole number, and include the appropriate units.

6. A surveyor stands 70 feet away from Lancaster High School. If the angle of elevation to the top of the building is 53 degrees, how tall is the building?

