## $\mathrm{A}=2 \cdot \frac{\mathbf{1}}{\mathbf{2}}($ (side1)side2)(sin INCLUDED ANGLE) $\uparrow$ Area of a TRIANGLE

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Review2 \#11

$\mathrm{A}=8 \frac{\mathbf{1}}{\mathbf{2}}$ (side1)side2)(sin INCLUDED ANGLE) $\uparrow$ Area of a TRIANGLE


## Review2 \#15 $\rightarrow$ Look at a cross-section of the pool to solve for the angle.

## Angle of elevation to Deep end



## USEFUL TOOLS:



## Formulas to know for the test!!!



Special triangles:


## Law of Cosines:

$\downarrow$ This side is across from this angle $a^{2}=b^{2}+c^{2}-2 b c(\cos A)$

Finding the area of a triangle when the base and height are not given:
$A=\frac{1}{2}($ side 1$)($ side 2$) \cdot \sin ($ included angle $)$
Law of Sines:

$$
\frac{\sin A}{a}=\frac{\sin B}{b}
$$

## Angle of Elevation:



## Angle of Depression:



# Ch. 6 Test: 85 points <br> Ways to study: 

$\rightarrow$ Read through your ch. 6 notes.
$\rightarrow$ Go over review sheets \#1 and \#2.
$\rightarrow$ Rework some of the problems from past assignment and from the end-of-chapter book review.

## Reminders:

*make sure diagrams are drawn in the correct quadrant and that negative values are accounted for!!
*rhombus:
a parallelogram with equal sides.

## Ch. 6 Test

85 points No notes

## Ok to use calculator

## Reminder: Up to three

 missing/incomplete assignments per unit can be made up at lunch or after school for full credit. They must be turned in by the day of the unit test.

