CHAPTER 4—TRIGONOMETRY (REVIEW)

AREA OF TRIANGLES

AREA OF TRIANGLES—REVIEW

Basic Formula

$$A = \frac{b \times h}{2}$$

Hero's Formula

$$A = \sqrt{(p)(p-a)(p-b)(p-c)}$$

$$where, p = \frac{Perimeter}{2}$$

Sandwich Formula

$$A = \frac{(a)(b)\sin(C)}{2}$$

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OTHER THINGS TO REMEMBER

Pythagorean Theorem	$a^2 + b^2 = c^2$
Angles in a Triangle	$add\ up\ to\ 180°$
In an equilateral triangle	$all\ angles\ are\ 60°\ and$ $all\ sides\ are\ the\ same\ length$
In an isosceles triangle	$2\ sides\ are\ the\ same\ length\ and$ $2\ angles\ are\ the\ same$
Sometimes…	$you\ have\ to\ work\ backwards$

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CLASSWORK/HOMEWORK

- MHS Worksheets Ch. 4 p. 236 #1-10