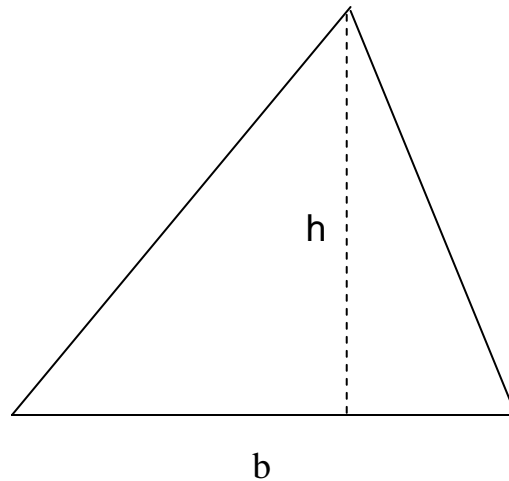


PROBLEM-OF-THE-DAY: ALGEBRA 1**WEEK:** February 19 to February 22**Day:** Tuesday

RISD Objective: Given a problem which involves exponential operations, students will be able to apply exponent rules to simplify the expression.

PROBLEM #105

Recall $A_{\Delta} = \frac{1}{2}bh$ represents the area of a triangle. Write an algebraic expression to show the area if $b = 4x^2$; $h = 3x^6$



MODEL SOLUTION #105

Since $b = 4x^2$ and $h = 3x^6$

$$A = \frac{1}{2}(4x^2)(3x^6)$$

$$\mathbf{A = 6x^8}$$