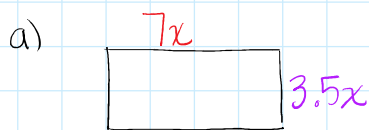


# Day 3: Multiplying & Dividing Monomials

Solve: find the area.



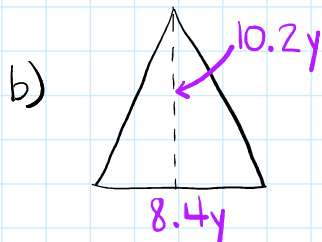
$$A_R = LW$$

$$= (7x)(3.5x)$$

$$(7)(3.5)(x)(x)$$

$$A_R = 24.5x^2$$

same base  
add exp.  
 $(8.4y)(10.2y)$   
2



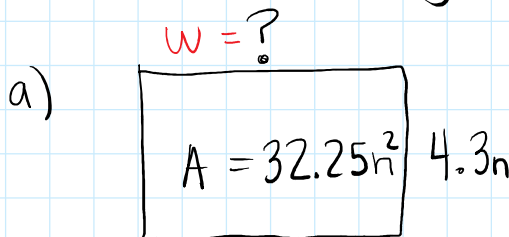
$$A_T = \frac{bh}{2} \text{ or } 0.5bh$$

$$0.5(8.4y)(10.2y)$$

$$(0.5)(8.4)(10.2)(y)(y)$$

$$A_T = 42.84y^2$$

find the missing value:

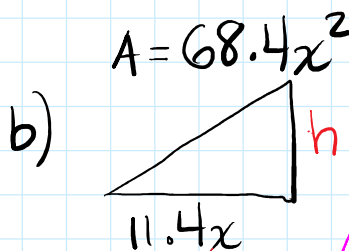


$$A_R = L(W)$$

$$W = \frac{A_R}{L} = \frac{32.25n^2}{4.3n}$$

$$W = 7.5n$$

Same base,  
subtract  
exponents.



$$A_T = 0.5bh$$

$$h = \frac{A_T}{0.5b} = \frac{68.4x^2}{0.5(11.4x)}$$

$$h = \frac{68.4x^2}{5.7x}$$

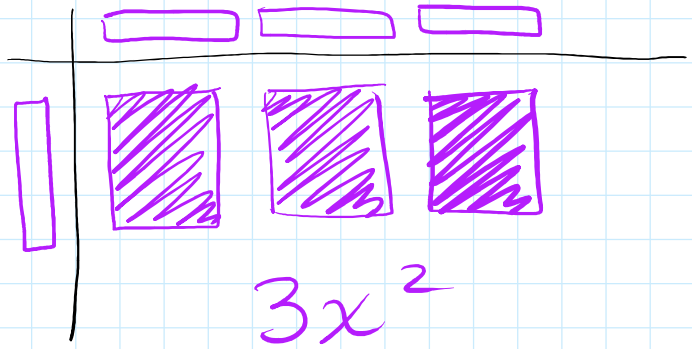
$$h = 12x$$

Solve using TILES ☹️

a)  $(3x)(-2x)$

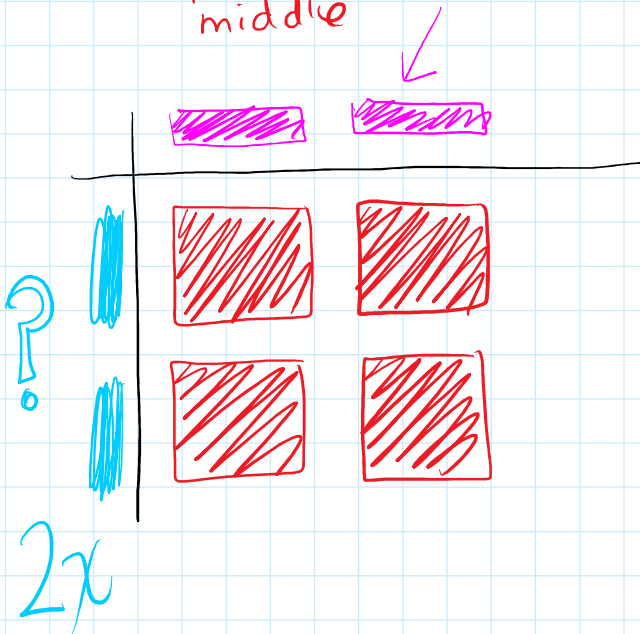


b)  $(-x)(-3x)$



c)  $4x^2 \div 2x$

then middle      Start here



d)  $-6x^2 \div 3x$

★ draw 1<sup>st</sup>

