Translate into a "math" equation.

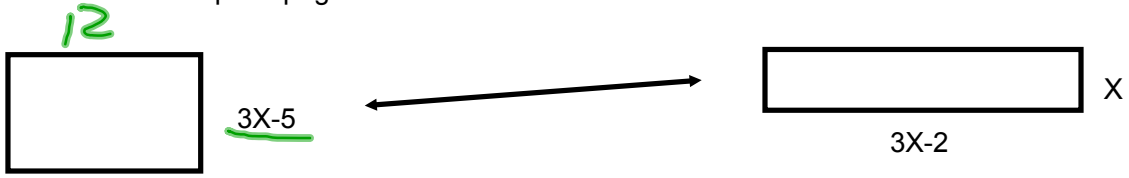
a) the product of 4 and any number.

b) the quotient of 16 divided by any number.

a) $4 \cdot X = 4x$

b) $16 \div Y$

Example 2 page 379



$12 \cdot 3x - 5$

$A = x(3x-2)$

$A = 12(3x-5)$

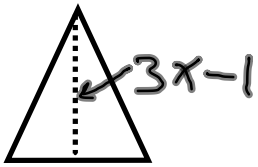
$P = 12 + 12 + 3x - 5 + 3x - 5$

$= 14 + 6x$

$= 6x + 14$

Number 4 on page 381

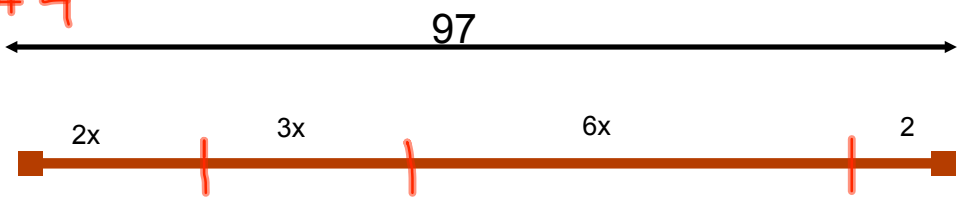
=



$A_{\square} = A_{\triangle}$

$$(2x+1)(x-1) = \frac{1}{2}(4x+5)(3x-1)$$

Ex #4



$2x + 3x + 6x + 2 = 97$

$\rightarrow 11x + 2 = 97$

- Sample problem 2 page 380

Al = a
Barry = b
Carl = c

Al made 6 more baskets than Barry
Barry made twice as many baskets Carl
All together everyone made 56 baskets.

$a = b + 6$

$b = 2c$

$a + b + c = 56$

$b + 6 + b + c = 56$

$2c + 6 + 2c + c = 56$

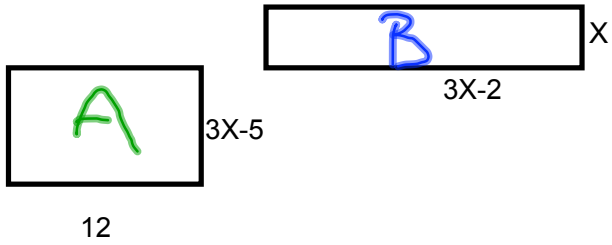
$5c + 6 = 56$

$-6 \quad -6$

$\frac{5c}{5} = \frac{50}{5}$

$c = 10$

Example 3 page 379



$$12(3x-5) = x(3x-2)$$

9, 10, 14, 17, 19, 21, 22, 25, 27

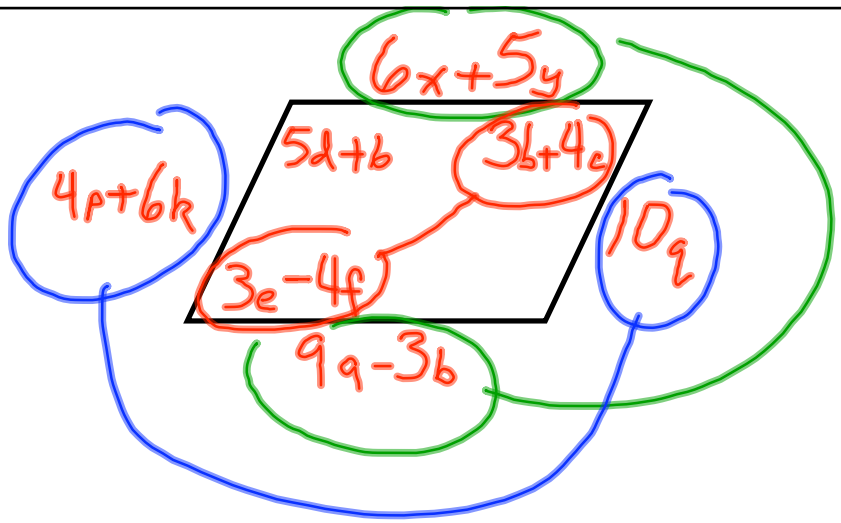
#9)

$n - 6 \rightarrow$ 6 less than a number

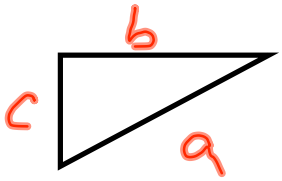
$6 < n \rightarrow$ 6 is less than a number

9c) $2(n+3)$

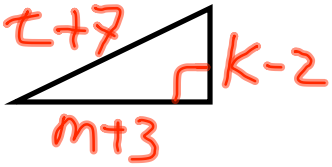
14)



17)



Pythagorean



area formula

21)

$A(t) = 33{,}000 - 400(m)$