

3.1. Variables

Dec. 12, 2006

Alliance grows in Population
By 350 people a year. Currently
the Population is 155,000.

$$\text{Int. Pop.} + 350 \cdot \text{years} = \text{New Pop.}$$

$$155,000 + 350 \cdot 1 = 155,350$$

$$155,000 + 350 \cdot 2 = 155,700$$

⋮

$$155,000 + 350 \cdot y$$

$$= \underline{\underline{155,000 + 350y}}$$

- Coefficient: The Number
in front of ~~with~~ the variable.

$4x \rightarrow$ coeff
 4
 $-5x \rightarrow$ -5
 $\frac{15}{2}x \rightarrow$ $\frac{15}{2}$
 $x \rightarrow$ 1

Comb like terms
Add Variable
by Adding
the Coefficients
if the Variables
are the Same +
the exponents are
the same.

Simplify: 3.4

$$2 \cdot 3 = 6$$
$$3 + 3 = 6$$

$$2(-5y) = \underline{-10y}$$

$$\underline{-5y} - \underline{5y} = \underline{-10y}$$

$$\left. \begin{array}{l} -5b + 3b = \underline{-2b} \\ 4c + 2c = \underline{6c} \end{array} \right\}$$

$$5x - (2x - 5)$$

$$5x - (2x) \ominus (5)$$

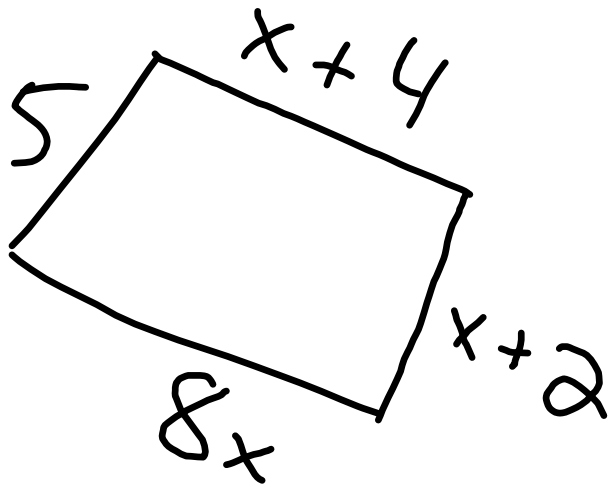
$$\underline{5x} - \underline{2x} + 5$$

$$\underline{\underline{3x + 5}}$$

$$\left. \begin{array}{l} -(a+b) \\ = \\ -a - b \end{array} \right\}$$

Find the Perimeter.

Distance around. "Outside"



$$P = \cancel{x+4} + \cancel{x+2} + \cancel{8x} + 5$$

$$10x + 11$$

$$\underline{\underline{10x + 11}}$$

O.T.L.

Pg 76: Exp. 1-15(0)

Written: 1-43 (e.o.o)

1, 5, 9, 13, 17, 21,