

$$3. \quad \overset{+}{\downarrow} \underline{10x^2} - \overset{\text{var.}}{\downarrow} \underline{5x} - 11$$

term#1                      ↑  
term#2

$$- 11 \leftarrow \text{Constant}$$

term#3 term

- ① - 5 number
- ② - x variable
- ③ - 5x combination

→ 3 terms.

→ Trinomial

Coefficient. → 10x<sup>2</sup>

What separates terms?  
+ and -

$10x^2 - 5x - 11$  Assume.

What is the degree?

$$\frac{1}{x^2} \sqrt{x^2} x^{-2}$$

term w/ the largest exponent.

Degree = 2.

Not  
Polynomial.

17 a)  $5(-2x^2 - 5)$

Constant.  $\rightarrow$   $-10x^2 - 25$  Binomial.

- $\hookrightarrow$  Multiply coefficients together.  
 $\rightarrow$  Multiply like variables.

b)  $(-4x)(6x + 5y - 5z)$

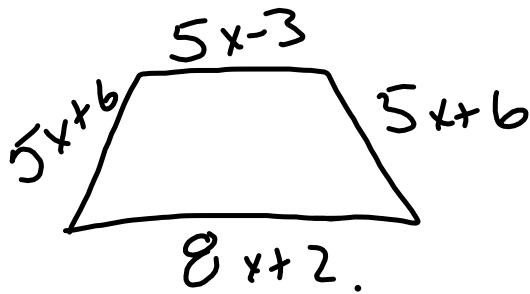
$$x \cdot x = x^{1+1} = x^2$$

No space between brackets = Multiplying.

$$-24x^2 - 20xy + 20xz$$

$x \cdot y$   
 Not the same variable  
 Can't put them together

$x \cdot z$   
 Answer.



Perimeter.



$$(5x+6) + (5x-3) + (5x+6) + (8x+2) = 8.$$

$$\cancel{5x+6} + \cancel{5x-3} + \cancel{5x+6} + \cancel{8x+2}$$

Group like terms:

$$5x + 5x + 5x + 8x + 6 - 3 + 6 + 2$$

$$23x + 11$$

$$8. (3 - 2c - 6c^2) - (5c - 3) \begin{array}{l} -1x + 5c \\ -1x - 3 \end{array}$$

$$(3 - 2c - 6c^2) + (-5c + 3)$$

$$3 - \cancel{2c} - \cancel{6c^2} - \cancel{5c} + 3$$

$$-6c^2 - 2c - 5c + 3 + 3$$

$$\boxed{-6c^2 - 7c + 6}$$