

Order of Operations

- ① Grouping Symbols () $\frac{10}{3}$ [] $\frac{11}{19}$
- ② Exponents
- ③ MD
- ④ AS

How many terms in an expression?

Algebra terms are separated by + or -

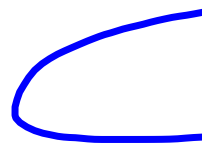
$$\boxed{5} + \boxed{3 \cdot 2} - \boxed{7}$$

3 terms

$$5 + 6 - 7$$

$$11 - 7$$

$$\boxed{4}$$



Circle each term in the expression.

$$\textcircled{4 \cdot 5} + \textcircled{1} + \textcircled{3(-2)} + \textcircled{6} \quad 4 \text{ terms}$$

$$4 \cdot 5 + 1 + 3(-2) + 6$$

$$20 + 1 + -6 + 6$$

$$21 + -6 + 6$$

$$15 + 6$$

$$\textcircled{21}$$

Simpli:

Simplify each expression.

a. $-3 + 4(-2)^3 + 5$

$$\begin{aligned} & -3 + 4(-2)^3 + 5 \\ & -3 + (4)(-8) + 5 \\ & -3 + -32 + 5 \\ & -35 + 5 \\ & \quad \textcircled{-30} \end{aligned}$$

$$-3^2 = -9$$

b. $-3^2 + 4(-2 + 5)$

$$\begin{aligned} & -3^2 + 4(-2 + 5) \\ & -3^2 + 4 \cdot 3 \\ & -9 + 4 \cdot 3 \\ & -9 + 12 \\ & \quad \textcircled{3} \end{aligned}$$

$$(-3)^2 = 9$$

