

Order of Operations

PEMDAS

$$\begin{aligned} \text{Ex 1: } & 16 + 14 \div 2 - 7 \\ & 16 + 7 - 7 \\ & 23 - 7 \\ & 16 \end{aligned}$$

$$\begin{aligned} \text{Ex 2: } & 2 \cdot 2 \cdot 2 \\ & 64 \div 2^3 + 4 \\ & 64 \div 8 + 4 \\ & 8 + 4 \\ & 12 \end{aligned}$$

$$\begin{aligned} \text{Ex 3: } & (9 - 4)^2 - 12 \times 2 \\ & 5^2 - 12 \times 2 \\ & 25 - 12 \times 2 \\ & 25 - 24 \\ & 1 \end{aligned}$$

$$\text{EX 4: } 15 - \underline{3 \cdot 4} \div 2 + 5$$

$$15 - \underline{12} \div 2 + 5$$

$$\underline{15 - 6} + 5$$

$$9 + 5$$

$$\boxed{14}$$

$$\text{EX 5: } 3x^2 + c$$

$$x = 2$$

$$3 \cdot 2^2 + 10$$

$$c = 10$$

$$\underline{3 \cdot 4} + 10$$

$$12 + 10$$

$$22$$