

Priorité des Opérations (F)

Nom: _____

Date: _____

Effectuez chaque expression à l'aide de l'ordre correct des opérations.

$$(-6) - (-4)^3 \times (((-2) + 2) \div 4)^2$$

$$((-6) \div (-2))^2 \times (4 + 5 - 8) \times (-7)$$

$$((-7) + 9 - 7)^2 \times (5 \div (-5))^2$$

$$\left((-6)^2 \times ((-5) + 9 - 4) \right)^2 \div 3$$

$$\left(3 \div (6 - 5)^3 \right) \times (-3) + 2^2$$

$$(-5)^2 - 4 \times (6 \div ((-7) + 8)) \times 3$$

Priorité des Opérations (F) Réponses

Nom: _____

Date: _____

Effectuez chaque expression à l'aide de l'ordre correct des opérations.

$$\begin{aligned} & (-6) - (-4)^3 \times \left(\frac{(-2) + 2}{4} \right)^2 \\ &= (-6) - (-4)^3 \times (0 \div 4)^2 \\ &= (-6) - (-4)^3 \times 0^2 \\ &= (-6) - (-64) \times 0^2 \\ &= (-6) - (-64) \times 0 \\ &= \underline{(-6) - 0} \\ &= -6 \end{aligned}$$

$$\begin{aligned} & \left(\frac{(-6) \div (-2)}{1} \right)^2 \times (4 + 5 - 8) \times (-7) \\ &= 3^2 \times (4 + 5 - 8) \times (-7) \\ &= 3^2 \times (9 - 8) \times (-7) \\ &= \underline{3^2} \times 1 \times (-7) \\ &= \underline{9 \times 1} \times (-7) \\ &= \underline{9 \times (-7)} \\ &= -63 \end{aligned}$$

$$\begin{aligned} & \left(\frac{(-7) + 9 - 7}{1} \right)^2 \times (5 \div (-5))^2 \\ &= (2 - 7)^2 \times (5 \div (-5))^2 \\ &= (-5)^2 \times \left(\frac{5 \div (-5)}{1} \right)^2 \\ &= \underline{(-5)^2} \times (-1)^2 \\ &= 25 \times \underline{(-1)^2} \\ &= \underline{25 \times 1} \\ &= 25 \end{aligned}$$

$$\begin{aligned} & \left((-6)^2 \times \left(\frac{(-5) + 9 - 4}{1} \right) \right)^2 \div 3 \\ &= \left((-6)^2 \times (4 - 4) \right)^2 \div 3 \\ &= \left(\underline{(-6)^2} \times 0 \right)^2 \div 3 \\ &= \underline{(36 \times 0)^2} \div 3 \\ &= \underline{0^2} \div 3 \\ &= \underline{0 \div 3} \\ &= 0 \end{aligned}$$

$$\begin{aligned} & \left(3 \div (6 - 5)^3 \right) \times (-3) + 2^2 \\ &= (3 \div 1^3) \times (-3) + 2^2 \\ &= \underline{(3 \div 1)} \times (-3) + 2^2 \\ &= 3 \times (-3) + \underline{2^2} \\ &= \underline{3 \times (-3)} + 4 \\ &= \underline{(-9) + 4} \\ &= -5 \end{aligned}$$

$$\begin{aligned} & (-5)^2 - 4 \times \left(6 \div \left(\frac{(-7) + 8}{1} \right) \right) \times 3 \\ &= (-5)^2 - 4 \times (6 \div 1) \times 3 \\ &= \underline{(-5)^2} - 4 \times 6 \times 3 \\ &= 25 - \underline{4 \times 6} \times 3 \\ &= 25 - \underline{24 \times 3} \\ &= \underline{25 - 72} \\ &= -47 \end{aligned}$$