

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$(10 - 4)^2 \div 9 + 6$$

$$5 + 10 \times (3 - 2)^2$$

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

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

$$(3^2 - 2 + 9) \div 8$$

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

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

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

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

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

Order of Operations (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (\underline{10-4})^2 \div 9 + 6 \\ & = \underline{6^2} \div 9 + 6 \\ & = \underline{36 \div 9} + 6 \\ & = \underline{4+6} \\ & = 10 \end{aligned}$$

$$\begin{aligned} & 5 + 10 \times (\underline{3-2})^2 \\ & = 5 + 10 \times \underline{1^2} \\ & = 5 + \underline{10 \times 1} \\ & = \underline{5+10} \\ & = 15 \end{aligned}$$

$$\begin{aligned} & (\underline{2^3} - 8) \div 4 \times 6 \\ & = (\underline{8-8}) \div 4 \times 6 \\ & = \underline{0 \div 4} \times 6 \\ & = \underline{0 \times 6} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & (\underline{8^2} - 7 \times 4) \div 3 \\ & = (64 - \underline{7 \times 4}) \div 3 \\ & = (\underline{64-28}) \div 3 \\ & = \underline{36 \div 3} \\ & = 12 \end{aligned}$$

$$\begin{aligned} & (\underline{3^2} - 2 + 9) \div 8 \\ & = (\underline{9-2} + 9) \div 8 \\ & = (\underline{7+9}) \div 8 \\ & = \underline{16 \div 8} \\ & = 2 \end{aligned}$$

$$\begin{aligned} & (\underline{7-2}) \times 4^2 \div 8 \\ & = 5 \times \underline{4^2} \div 8 \\ & = \underline{5 \times 16} \div 8 \\ & = \underline{80 \div 8} \\ & = 10 \end{aligned}$$

$$\begin{aligned} & 6 \times (\underline{2^3} - 3 + 4) \\ & = 6 \times (\underline{8-3} + 4) \\ & = 6 \times (\underline{5+4}) \\ & = \underline{6 \times 9} \\ & = 54 \end{aligned}$$

$$\begin{aligned} & (\underline{8^2} \div 4 - 2) \times 6 \\ & = (\underline{64 \div 4} - 2) \times 6 \\ & = (\underline{16-2}) \times 6 \\ & = \underline{14 \times 6} \\ & = 84 \end{aligned}$$

$$\begin{aligned} & (\underline{4^2} - 3 + 2) \times 6 \\ & = (\underline{16-3} + 2) \times 6 \\ & = (\underline{13+2}) \times 6 \\ & = \underline{15 \times 6} \\ & = 90 \end{aligned}$$

$$\begin{aligned} & (\underline{2^3} - 7 + 8) \times 6 \\ & = (\underline{8-7} + 8) \times 6 \\ & = (\underline{1+8}) \times 6 \\ & = \underline{9 \times 6} \\ & = 54 \end{aligned}$$