

ORDER OF OPERATIONS

Name:

Date:

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (10 + 2 - 5) \times (6^2 : (8 - 4)) \\ & = (12 - 5) \times (6^2 : (8 - 4)) \\ & = 7 \times (6^2 : (8 - 4)) \\ & = 7 \times (6^2 : 4) \\ & = 7 \times (36 : 4) \\ & = 7 \times 9 \\ & = 63 \end{aligned}$$

$$8 : (10 - 9)^3 \times 7 + 4^2$$

$$(3 + 9) : 6 - 2 \times 8 + 4^2$$

$$(10 \times (6 + 4)) : (2^3 - 7)^2$$

$$(8 + 20 + 10) + 36 + 4 + 3$$

$$6 (28 : 7 + 14 + 7) + 8$$