Order of Operations (J)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

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

$2^3 - (-9) \times (-7)$

$(-2)^3 \times ((-5) + (-4))$

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

$(-8) \div 2^3 - (-5)$

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

$3 \times \left((-8) - (-2)^2\right)$

$(-2)^2 \times (2 + (-7))$

$(-7) \times (8 - 10)^3$

Order of Operations (J) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\underline{4^2} \times (-3) + 6$
$= \underline{16 \times (-3)} + 6$
$= \underline{(-48) + 6}$
$= -42$

$(-4) + 7 \times \underline{2^3}$
$= (-4) + \underline{7 \times 8}$
$= \underline{(-4) + 56}$
$= 52$

$\underline{2^3} - (-9) \times (-7)$
$= 8 - \underline{(-9) \times (-7)}$
$= \underline{8 - 63}$
$= -55$

$(-2)^3 \times \left(\underline{(-5) + (-4)}\right)$
$= \underline{(-2)^3} \times (-9)$
$= \underline{(-8) \times (-9)}$
$= 72$

$(-5) \times 7 + \underline{6^2}$
$= \underline{(-5) \times 7} + 36$
$= \underline{(-35) + 36}$
$= 1$

$(-8) \div \underline{2^3} - (-5)$
$= \underline{(-8) \div 8} - (-5)$
$= \underline{(-1) - (-5)}$
$= 4$

$(-3) \times (-4) - \underline{2^2}$
$= \underline{(-3) \times (-4)} - 4$
$= \underline{12 - 4}$
$= 8$

$3 \times \left((-8) - \underline{(-2)^2}\right)$
$= 3 \times \left(\underline{(-8) - 4}\right)$
$= \underline{3 \times (-12)}$
$= -36$

$(-2)^2 \times \left(\underline{2 + (-7)}\right)$
$= \underline{(-2)^2} \times (-5)$
$= \underline{4 \times (-5)}$
$= -20$

$(-7) \times \left(\underline{8 - 10}\right)^3$
$= (-7) \times \underline{(-2)^3}$
$= \underline{(-7) \times (-8)}$
$= 56$