Order of Operations (D)

Date: _____

Solve each expression using the correct order of operations.

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

$2 \times \left(((-8) - (-7))^2 \div (3 + (-2))^3\right)$

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

$(((-10) + 9) \times (-2))^3 \div (5 - 3) \times (-9)$

$\left(7 + (-3)^3\right) \times \left(((-10) - 10) \div (-2)^2\right)$

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

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Order of Operations (D) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$\left(\underline{\left((-4)+4\right)} \times (-7)^2\right) \div (-8) - 2^2$

$= \left(0 \times \underline{(-7)^2}\right) \div (-8) - 2^2$

$= \underline{(0 \times 49)} \div (-8) - 2^2$

$= 0 \div (-8) - \underline{2^2}$

$= \underline{0 \div (-8)} - 4$

$= \underline{0 - 4}$

$= -4$

$2 \times \left(\underline{\left((-8)-(-7)\right)}^2 \div (3+(-2))^3\right)$

$= 2 \times \left((-1)^2 \div \underline{\left(3+(-2)\right)}^3\right)$

$= 2 \times \left(\underline{(-1)^2} \div 1^3\right)$

$= 2 \times (1 \div \underline{1^3})$

$= 2 \times \underline{(1 \div 1)}$

$= \underline{2 \times 1}$

$= 2$

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

$= \left((-6)^2 \times \underline{(4-4)}\right)^2 \div 3$

$= \left(\underline{(-6)^2} \times 0\right)^2 \div 3$

$= \underline{(36 \times 0)}^2 \div 3$

$= \underline{0^2} \div 3$

$= \underline{0 \div 3}$

$= 0$

$\left(\underline{\left((-10)+9\right)} \times (-2)\right)^3 \div (5-3) \times (-9)$

$= \left(\underline{(-1) \times (-2)}\right)^3 \div (5-3) \times (-9)$

$= 2^3 \div \underline{(5-3)} \times (-9)$

$= \underline{2^3} \div 2 \times (-9)$

$= \underline{8 \div 2} \times (-9)$

$= \underline{4 \times (-9)}$

$= -36$

$\left(7 + \underline{(-3)^3}\right) \times \left(((-10)-10) \div (-2)^2\right)$

$= \left(\underline{7 + (-27)}\right) \times \left(((-10)-10) \div (-2)^2\right)$

$= (-20) \times \left(\left(\underline{(-10)-10}\right) \div (-2)^2\right)$

$= (-20) \times \left((-20) \div \underline{(-2)^2}\right)$

$= (-20) \times \left(\underline{(-20) \div 4}\right)$

$= \underline{(-20) \times (-5)}$

$= 100$

$(-2)^2 - (-3) \times \left(\underline{\left(7+(-7)\right)} \div ((-6) \times 3)\right)$

$= (-2)^2 - (-3) \times \left(0 \div \left(\underline{(-6) \times 3}\right)\right)$

$= (-2)^2 - (-3) \times \left(\underline{0 \div (-18)}\right)$

$= \underline{(-2)^2} - (-3) \times 0$

$= 4 - \underline{(-3) \times 0}$

$= \underline{4 - 0}$

$= 4$

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