Order of Operations (B)

Name: _____

Simplify each expression using the correct order of operations.

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

$(7 - 5)^3 \times 10 \div ((-2) + 6)$

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

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

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

$\left((10 - 7)^2 \times (-8)\right) \div 9 + 8$

Order of Operations (B) Answers

Name:
_____

Date:
_____

Simplify each expression using the correct order of operations.

$\left(6 + (-5) \div 5 - \underline{(-7)^2}\right) \times 2$

$= \left(6 + \underline{(-5) \div 5} - 49\right) \times 2$

$= \left(\underline{6 + (-1)} - 49\right) \times 2$

$= \underline{(5 - 49)} \times 2$

$= \underline{(-44) \times 2}$

$= -88$

$\underline{(7 - 5)}^3 \times 10 \div ((-2) + 6)$

$= 2^3 \times 10 \div \left(\underline{(-2) + 6}\right)$

$= \underline{2^3} \times 10 \div 4$

$= \underline{8 \times 10} \div 4$

$= \underline{80 \div 4}$

$= 20$

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

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

$= \left(\underline{12 + (-9)}\right)^2 \div 9$

$= \underline{3^2} \div 9$

$= \underline{9 \div 9}$

$= 1$

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

$= 3^3 \div (-3) \times \left(\underline{(-7) + 5}\right)$

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

$= \underline{27 \div (-3)} \times (-2)$

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

$= 18$

$\left((-8)^2 - (-6) \times \underline{(4 + 2)}\right) \div 5$

$= \left(\underline{(-8)^2} - (-6) \times 6\right) \div 5$

$= \left(64 - \underline{(-6) \times 6}\right) \div 5$

$= \left(\underline{64 - (-36)}\right) \div 5$

$= \underline{100 \div 5}$

$= 20$

$\left(\underline{(10 - 7)}^2 \times (-8)\right) \div 9 + 8$

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

$= \left(\underline{9 \times (-8)}\right) \div 9 + 8$

$= \underline{(-72) \div 9} + 8$

$= \underline{(-8) + 8}$

$= 0$

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