Order of Operations (J)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$\left(8 - (-2)^2 + (-4)\right) \div (-5) \times 3$

$((-8) \times ((-4) - (-5) + (-9))) \div 8^2$

$\left(3 + 7^2\right) \div (-4) \times (-3) - 6$

$8^2 - 10 + 6 \times ((-8) \div (-4))$

$\left(6 - (-9) + 9^2\right) \div (8 \times (-3))$

$3 \div ((-8) - (-9))^3 \times 5 + (-6)$

Order of Operations (J) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

$= (\underline{8 - 4} + (-4)) \div (-5) \times 3$

$= \left(\underline{4 + (-4)}\right) \div (-5) \times 3$

$= \underline{0 \div (-5)} \times 3$

$= \underline{0 \times 3}$

$= 0$

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

$= \left((-8) \times \left(\underline{1 + (-9)}\right)\right) \div 8^2$

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

$= 64 \div \underline{8^2}$

$= \underline{64 \div 64}$

$= 1$

$(3 + \underline{7^2}) \div (-4) \times (-3) - 6$

$= (\underline{3 + 49}) \div (-4) \times (-3) - 6$

$= \underline{52 \div (-4)} \times (-3) - 6$

$= \underline{(-13) \times (-3)} - 6$

$= \underline{39 - 6}$

$= 33$

$8^2 - 10 + 6 \times \left(\underline{(-8) \div (-4)}\right)$

$= \underline{8^2} - 10 + 6 \times 2$

$= 64 - 10 + \underline{6 \times 2}$

$= \underline{64 - 10} + 12$

$= \underline{54 + 12}$

$= 66$

$\left(6 - (-9) + \underline{9^2}\right) \div (8 \times (-3))$

$= \left(\underline{6 - (-9)} + 81\right) \div (8 \times (-3))$

$= (\underline{15 + 81}) \div (8 \times (-3))$

$= 96 \div \left(\underline{8 \times (-3)}\right)$

$= \underline{96 \div (-24)}$

$= -4$

$3 \div \left(\underline{(-8) - (-9)}\right)^3 \times 5 + (-6)$

$= 3 \div \underline{1^3} \times 5 + (-6)$

$= \underline{3 \div 1} \times 5 + (-6)$

$= \underline{3 \times 5} + (-6)$

$= \underline{15 + (-6)}$

$= 9$

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