Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$(((-3) - (-9)) \div ((-7) + 5)) \times 8 - (-8) \times 10$

$(((-6) + (-10)) \times 3) \div ((-3) - 8 + (-5)) \times 9$

$((-9) \div (6 + (-3))) \times ((-5) - (-7) + (-4) - 2)$

Order of Operations (I) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$\left(\left(\underline{(-3) - (-9)}\right) \div ((-7) + 5)\right) \times 8 - (-8) \times 10$

$= \left(6 \div \left(\underline{(-7) + 5}\right)\right) \times 8 - (-8) \times 10$

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

$= \underline{(-3) \times 8} - (-8) \times 10$

$= (-24) - \underline{(-8) \times 10}$

$= \underline{(-24) - (-80)}$

$= 56$

$\left(\left(\underline{(-6) + (-10)}\right) \times 3\right) \div ((-3) - 8 + (-5)) \times 9$

$= \left(\underline{(-16) \times 3}\right) \div ((-3) - 8 + (-5)) \times 9$

$= (-48) \div \left(\underline{(-3) - 8} + (-5)\right) \times 9$

$= (-48) \div \left(\underline{(-11) + (-5)}\right) \times 9$

$= \underline{(-48) \div (-16)} \times 9$

$= \underline{3 \times 9}$

$= 27$

$\left((-9) \div \left(\underline{6 + (-3)}\right)\right) \times ((-5) - (-7) + (-4) - 2)$

$= \left(\underline{(-9) \div 3}\right) \times ((-5) - (-7) + (-4) - 2)$

$= (-3) \times \left(\underline{(-5) - (-7)} + (-4) - 2\right)$

$= (-3) \times \left(\underline{2 + (-4)} - 2\right)$

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

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

$= 12$

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