Order of Operations (B)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$((-8) \times 7) \div \left((-2)^2 + 5 - 10\right)^3$

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

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

$(8 + (-7) - 6) \div \left((4 \times (-9)) \div (-6)^2\right)$

$((-8) \times (-5)) \div \left((-2)^3 - (-3) + 7\right)^3$

$(-9) - (-5)^2 + (-7) \times (((-8) \div 8) \times 6)$

Order of Operations (B) Answers

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\underline{(-8) \times 7} \div \left((-2)^2 + 5 - 10\right)^3$

$= (-56) \div \left(\underline{(-2)^2} + 5 - 10\right)^3$

$= (-56) \div (\underline{4 + 5} - 10)^3$

$= (-56) \div (\underline{9 - 10})^3$

$= (-56) \div \underline{(-1)^3}$

$= \underline{(-56) \div (-1)}$

$= 56$

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

$= 0 \times \left(\underline{(-4) - 6}\right) \div \left((-5)^2 + (-6)\right)$

$= 0 \times (-10) \div \left(\underline{(-5)^2} + (-6)\right)$

$= 0 \times (-10) \div \left(\underline{25 + (-6)}\right)$

$= \underline{0 \times (-10)} \div 19$

$= \underline{0 \div 19}$

$= 0$

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

$= (100 - \underline{10^2}) \div (5 + (-3)) \times 3$

$= (\underline{100 - 100}) \div (5 + (-3)) \times 3$

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

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

$= \underline{0 \times 3}$

$= 0$

$\left(\underline{8 + (-7)} - 6\right) \div \left((4 \times (-9)) \div (-6)^2\right)$

$= (\underline{1 - 6}) \div \left((4 \times (-9)) \div (-6)^2\right)$

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

$= (-5) \div \left((-36) \div \underline{(-6)^2}\right)$

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

$= \underline{(-5) \div (-1)}$

$= 5$

$\left(\underline{(-8) \times (-5)}\right) \div \left((-2)^3 - (-3) + 7\right)^3$

$= 40 \div \left(\underline{(-2)^3} - (-3) + 7\right)^3$

$= 40 \div \left(\underline{(-8) - (-3)} + 7\right)^3$

$= 40 \div \left(\underline{(-5) + 7}\right)^3$

$= 40 \div \underline{2^3}$

$= \underline{40 \div 8}$

$= 5$

$(-9) - (-5)^2 + (-7) \times \left(\left(\underline{(-8) \div 8}\right) \times 6\right)$

$= (-9) - (-5)^2 + (-7) \times \left(\underline{(-1) \times 6}\right)$

$= (-9) - \underline{(-5)^2} + (-7) \times (-6)$

$= (-9) - 25 + \underline{(-7) \times (-6)}$

$= \underline{(-9) - 25} + 42$

$= \underline{(-34) + 42}$

$= 8$