Order of Operations (D)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

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

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

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

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

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

Order of Operations (D) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

$= (-1)^3 \times \underline{(7 + 2)} \div (-3)$

$= \underline{(-1)^3} \times 9 \div (-3)$

$= \underline{(-1) \times 9} \div (-3)$

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

$= 3$

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

$= \underline{(8 + 36)} \div (-2) - (-7) \times 5$

$= \underline{44 \div (-2)} - (-7) \times 5$

$= (-22) - \underline{(-7) \times 5}$

$= \underline{(-22) - (-35)}$

$= 13$

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

$= \underline{(3 \times 8)} \div 6 - (-2) + 4$

$= \underline{24 \div 6} - (-2) + 4$

$= \underline{4 - (-2)} + 4$

$= \underline{6 + 4}$

$= 10$

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

$= 3 \times \left(\underline{7 + (-5)} - (-1)\right)^2$

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

$= 3 \times \underline{3^2}$

$= \underline{3 \times 9}$

$= 27$

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

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

$= (-2) \div \underline{(6 - 4)} \times 8$

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

$= \underline{(-1) \times 8}$

$= -8$

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

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

$= 6 \times \left(\underline{3 + (-1)} - (-8)\right)$

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

$= \underline{6 \times 10}$

$= 60$