Order of Operations (D)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$9 \times \left((-3) + 4 - (-2)^2\right)$

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

$2^2 \times (-10) - 5 + (-5)$

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

$(-7)^2 - 8 + 4 \div (-4)$

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

$(-2) + 2^3 - 9 \times (-4)$

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

$(-6) \times \left((-5) + (-9) - (-2)^3\right)$

$6 \times 3 - (-9) + 7^2$

Order of Operations (D) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$9 \times \left((-3) + 4 - \underline{(-2)^2}\right)$
$= 9 \times \left(\underline{(-3) + 4} - 4\right)$
$= 9 \times (\underline{1 - 4})$
$= \underline{9 \times (-3)}$
$= -27$

$\underline{2^2} \times (-10) - 5 + (-5)$
$= \underline{4 \times (-10)} - 5 + (-5)$
$= \underline{(-40) - 5} + (-5)$
$= \underline{(-45) + (-5)}$
$= -50$

$\underline{(-7)^2} - 8 + 4 \div (-4)$
$= 49 - 8 + \underline{4 \div (-4)}$
$= \underline{49 - 8} + (-1)$
$= \underline{41 + (-1)}$
$= 40$

$(-2) + \underline{2^3} - 9 \times (-4)$
$= (-2) + 8 - \underline{9 \times (-4)}$
$= \underline{(-2) + 8} - (-36)$
$= \underline{6 - (-36)}$
$= 42$

$(-6) \times \left((-5) + (-9) - \underline{(-2)^3}\right)$
$= (-6) \times \left(\underline{(-5) + (-9)} - (-8)\right)$
$= (-6) \times \left(\underline{(-14) - (-8)}\right)$
$= \underline{(-6) \times (-6)}$
$= 36$

$\underline{(-2)^2} \div (-4) + 4 \times 9$
$= \underline{4 \div (-4)} + 4 \times 9$
$= (-1) + \underline{4 \times 9}$
$= \underline{(-1) + 36}$
$= 35$

$(-7) - \underline{5^2} + (-6) \times (-8)$
$= (-7) - 25 + \underline{(-6) \times (-8)}$
$= \underline{(-7) - 25} + 48$
$= \underline{(-32) + 48}$
$= 16$

$\underline{(-4)^2} \times 6 + 3 - 4$
$= \underline{16 \times 6} + 3 - 4$
$= \underline{96 + 3} - 4$
$= \underline{99 - 4}$
$= 95$

$(-3) - \underline{3^2} \times 2 + 4$
$= (-3) - \underline{9 \times 2} + 4$
$= \underline{(-3) - 18} + 4$
$= \underline{(-21) + 4}$
$= -17$

$6 \times 3 - (-9) + \underline{7^2}$
$= \underline{6 \times 3} - (-9) + 49$
$= \underline{18 - (-9)} + 49$
$= \underline{27 + 49}$
$= 76$