Order of Operations (I)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

$(-3)^3 - (-9) \times 9 + 5$

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

$(-4)^3 + (-2) \times (-9) - (-7)$

$7 - 9 + 5 \times 4^2$

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

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

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

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

$((-5) - (-2))^2 \times 2 \div 6$

Order of Operations (I) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$5 \times (-2)^3 \div (-8) + 2$
$= 5 \times (-8) \div (-8) + 2$
$= (-40) \div (-8) + 2$
$= 5 + 2$
$= 7$

$(-7) \times (-4) + 6^2 \div (-9)$
$= (-7) \times (-4) + 36 \div (-9)$
$= 28 + 36 \div (-9)$
$= 28 + (-4)$
$= 24$

$7 - 9 + 5 \times 4^2$
$= 7 - 9 + 5 \times 16$
$= 7 - 9 + 80$
$= (-2) + 80$
$= 78$

$\left((-2) + 3\right) \times (-6) - 5^2$
$= 1 \times (-6) - 5^2$
$= 1 \times (-6) - 25$
$= (-6) - 25$
$= -31$

$\left(8 - (-6) + (-10)\right) \times (-2)^2$
$= \left(14 + (-10)\right) \times (-2)^2$
$= 4 \times (-2)^2$
$= 4 \times 4$
$= 16$

$(-3)^3 - (-9) \times 9 + 5$
$= (-27) - (-9) \times 9 + 5$
$= (-27) - (-81) + 5$
$= 54 + 5$
$= 59$

$(-4)^3 + (-2) \times (-9) - (-7)$
$= (-64) + (-2) \times (-9) - (-7)$
$= (-64) + 18 - (-7)$
$= (-46) - (-7)$
$= -39$

$2 \times \left((-9) - (-2)^2 + 9\right)$
$= 2 \times \left((-9) - 4 + 9\right)$
$= 2 \times \left((-13) + 9\right)$
$= 2 \times (-4)$
$= -8$

$5 \times 4^2 + (-9) - (-4)$
$= 5 \times 16 + (-9) - (-4)$
$= 80 + (-9) - (-4)$
$= 71 - (-4)$
$= 75$

$\left((-5) - (-2)\right)^2 \times 2 \div 6$
$= (-3)^2 \times 2 \div 6$
$= 9 \times 2 \div 6$
$= 18 \div 6$
$= 3$