# Order of Operations (H)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

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

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

$(-4)^3 \div 8 + (-2)$

$(-2)^3 \times (5 - 4)$

$10^2 \times ((-5) - (-4))$

$7^2 + (-2) \times 10$

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

$(8 + (-4))^2 \times 2$

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

# Order of Operations (H) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$7^2 - (-4) \times 9$
$= 49 - (-4) \times 9$
$= 49 - (-36)$
$= 85$

$7^2 \div (-7) + (-8)$
$= 49 \div (-7) + (-8)$
$= (-7) + (-8)$
$= -15$

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

$(-4)^3 \div 8 + (-2)$
$= (-64) \div 8 + (-2)$
$= (-8) + (-2)$
$= -10$

$(-2)^3 \times (5 - 4)$
$= (-2)^3 \times 1$
$= (-8) \times 1$
$= -8$

$10^2 \times \left((-5) - (-4)\right)$
$= 10^2 \times (-1)$
$= 100 \times (-1)$
$= -100$

$7^2 + (-2) \times 10$
$= 49 + (-2) \times 10$
$= 49 + (-20)$
$= 29$

$6 \times 2^3 - (-4)$
$= 6 \times 8 - (-4)$
$= 48 - (-4)$
$= 52$

$\left(8 + (-4)\right)^2 \times 2$
$= 4^2 \times 2$
$= 16 \times 2$
$= 32$

$4 \times 6 - (-4)^3$
$= 4 \times 6 - (-64)$
$= 24 - (-64)$
$= 88$