Order of Operations (G)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(3^2 + 7 - 4^2) \div (6 \times 2)$

$(2^3 \times (6 + 8 - 10)) \div 4^2$

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

$\left((8 - 5)^2 \div (6 + 3)\right)^3 \times 4$

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

$(9 \div (5 - 4)) \times 3 + 8^2 - 2$

Order of Operations (G)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(3^2 + 7 - 4^2) \div (6 \times 2)$
$= (9 + 7 - 4^2) \div (6 \times 2)$
$= (9 + 7 - 16) \div (6 \times 2)$
$= (16 - 16) \div (6 \times 2)$
$= 0 \div (6 \times 2)$
$= 0 \div 12$
$= 0$

$(2^3 \times (6 + 8 - 10)) \div 4^2$
$= (2^3 \times (14 - 10)) \div 4^2$
$= (2^3 \times 4) \div 4^2$
$= (8 \times 4) \div 4^2$
$= 32 \div 4^2$
$= 32 \div 16$
$= 2$

$8 \div (2^2 + 7 - 9)^2 \times 5$
$= 8 \div (4 + 7 - 9)^2 \times 5$
$= 8 \div (11 - 9)^2 \times 5$
$= 8 \div 2^2 \times 5$
$= 8 \div 4 \times 5$
$= 2 \times 5$
$= 10$

$\left((8 - 5)^2 \div (6 + 3)\right)^3 \times 4$
$= \left(3^2 \div (6 + 3)\right)^3 \times 4$
$= \left(3^2 \div 9\right)^3 \times 4$
$= (9 \div 9)^3 \times 4$
$= 1^3 \times 4$
$= 1 \times 4$
$= 4$

$3^2 + 2 \div (6 - 5) \times 4^2$
$= 3^2 + 2 \div 1 \times 4^2$
$= 9 + 2 \div 1 \times 4^2$
$= 9 + 2 \div 1 \times 16$
$= 9 + 2 \times 16$
$= 9 + 32$
$= 41$

$(9 \div (5 - 4)) \times 3 + 8^2 - 2$
$= (9 \div 1) \times 3 + 8^2 - 2$
$= 9 \times 3 + 8^2 - 2$
$= 9 \times 3 + 64 - 2$
$= 27 + 64 - 2$
$= 91 - 2$
$= 89$