Order of Operations (E)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(3^2 \div 9) \times (7 + 10 - 4)$

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

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

$(7 \times 6) \div (8 + 2^3 - 10)$

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

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

$2^2 - 10 \div (7 + 3) \times 4$

$6 \times 7 \div (10 + 2^3 - 4)$

Order of Operations (E)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(3^2 \div 9) \times (7 + 10 - 4)$
$= (9 \div 9) \times (7 + 10 - 4)$
$= 1 \times (7 + 10 - 4)$
$= 1 \times (17 - 4)$
$= 1 \times 13$
$= 13$

$(5 \times 4^2 + 3 - 9) \div 2$
$= (5 \times 16 + 3 - 9) \div 2$
$= (80 + 3 - 9) \div 2$
$= (83 - 9) \div 2$
$= 74 \div 2$
$= 37$

$(7^2 + 5) \div 2 - 3 \times 8$
$= (49 + 5) \div 2 - 3 \times 8$
$= 54 \div 2 - 3 \times 8$
$= 27 - 3 \times 8$
$= 27 - 24$
$= 3$

$(7 \times 6) \div (8 + 2^3 - 10)$
$= 42 \div (8 + 2^3 - 10)$
$= 42 \div (8 + 8 - 10)$
$= 42 \div (16 - 10)$
$= 42 \div 6$
$= 7$

$3 \times (8 - 2^3 \div 4 + 10)$
$= 3 \times (8 - 8 \div 4 + 10)$
$= 3 \times (8 - 2 + 10)$
$= 3 \times (6 + 10)$
$= 3 \times 16$
$= 48$

$(9 \div 3^2) \times 5 - 2 + 4$
$= (9 \div 9) \times 5 - 2 + 4$
$= 1 \times 5 - 2 + 4$
$= 5 - 2 + 4$
$= 3 + 4$
$= 7$

$2^2 - 10 \div (7 + 3) \times 4$
$= 2^2 - 10 \div 10 \times 4$
$= 4 - 10 \div 10 \times 4$
$= 4 - 1 \times 4$
$= 4 - 4$
$= 0$

$6 \times 7 \div (10 + 2^3 - 4)$
$= 6 \times 7 \div (10 + 8 - 4)$
$= 6 \times 7 \div (18 - 4)$
$= 6 \times 7 \div 14$
$= 42 \div 14$
$= 3$