Order of Operations (F)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$6 - 2 + 7 \times (10 - 9) \times (5 + 4)$

$((10 + 6 - 4) \times 2) \times 3 + 8 - 9$

$((4 + 2) \times (7 - 6)) \times 8 - 3 + 10$

$6 \times (2 + 3 - 5) \times (10 + 4 - 8)$

$(5 - 2) \times (3 + 7 + 4 - 10) \times 8$

$9 \times ((5 + 6 - 3 - 8 + 2) \times 4)$

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Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$6 - 2 + 7 \times (10 - 9) \times (5 + 4)$
$= 6 - 2 + 7 \times 1 \times (5 + 4)$
$= 6 - 2 + 7 \times 1 \times 9$
$= 6 - 2 + 7 \times 9$
$= 6 - 2 + 63$
$= 4 + 63$
$= 67$

$((10 + 6 - 4) \times 2) \times 3 + 8 - 9$
$= ((16 - 4) \times 2) \times 3 + 8 - 9$
$= (12 \times 2) \times 3 + 8 - 9$
$= 24 \times 3 + 8 - 9$
$= 72 + 8 - 9$
$= 80 - 9$
$= 71$

$((4 + 2) \times (7 - 6)) \times 8 - 3 + 10$
$= (6 \times (7 - 6)) \times 8 - 3 + 10$
$= (6 \times 1) \times 8 - 3 + 10$
$= 6 \times 8 - 3 + 10$
$= 48 - 3 + 10$
$= 45 + 10$
$= 55$

$6 \times (2 + 3 - 5) \times (10 + 4 - 8)$
$= 6 \times (5 - 5) \times (10 + 4 - 8)$
$= 6 \times 0 \times (10 + 4 - 8)$
$= 6 \times 0 \times (14 - 8)$
$= 6 \times 0 \times 6$
$= 0 \times 6$
$= 0$

$(5 - 2) \times (3 + 7 + 4 - 10) \times 8$
$= 3 \times (3 + 7 + 4 - 10) \times 8$
$= 3 \times (10 + 4 - 10) \times 8$
$= 3 \times (14 - 10) \times 8$
$= 3 \times 4 \times 8$
$= 12 \times 8$
$= 96$

$9 \times ((5 + 6 - 3 - 8 + 2) \times 4)$
$= 9 \times ((11 - 3 - 8 + 2) \times 4)$
$= 9 \times ((8 - 8 + 2) \times 4)$
$= 9 \times ((0 + 2) \times 4)$
$= 9 \times (2 \times 4)$
$= 9 \times 8$
$= 72$