Order of Operations (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$(2 \times (4 + 7)) \times 6 + 5 + 9 \times 3$

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

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

$9 \times 3 + 5 + 2 \times (7 \times (4 + 6))$

$(6 \times (7 + 4)) \times 2 + 5 + 3 \times 9$

$((3 + 4) \times 7) \times 2 + 10 + 5 \times 6$

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Name: _____

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$(2 \times (4 + 7)) \times 6 + 5 + 9 \times 3$

$= (2 \times 11) \times 6 + 5 + 9 \times 3$

$= 22 \times 6 + 5 + 9 \times 3$

$= 132 + 5 + 9 \times 3$

$= 132 + 5 + 27$

$= 137 + 27$

$= 164$

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

$= (7 \times 6) \times 3 + 9 + 4 \times 8$

$= 42 \times 3 + 9 + 4 \times 8$

$= 126 + 9 + 4 \times 8$

$= 126 + 9 + 32$

$= 135 + 32$

$= 167$

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

$= 11 \times 4 \times 2 + 9 \times (8 + 3)$

$= 11 \times 4 \times 2 + 9 \times 11$

$= 44 \times 2 + 9 \times 11$

$= 88 + 9 \times 11$

$= 88 + 99$

$= 187$

$9 \times 3 + 5 + 2 \times (7 \times (4 + 6))$

$= 9 \times 3 + 5 + 2 \times (7 \times 10)$

$= 9 \times 3 + 5 + 2 \times 70$

$= 27 + 5 + 2 \times 70$

$= 27 + 5 + 140$

$= 32 + 140$

$= 172$

$(6 \times (7 + 4)) \times 2 + 5 + 3 \times 9$

$= (6 \times 11) \times 2 + 5 + 3 \times 9$

$= 66 \times 2 + 5 + 3 \times 9$

$= 132 + 5 + 3 \times 9$

$= 132 + 5 + 27$

$= 137 + 27$

$= 164$

$((3 + 4) \times 7) \times 2 + 10 + 5 \times 6$

$= (7 \times 7) \times 2 + 10 + 5 \times 6$

$= 49 \times 2 + 10 + 5 \times 6$

$= 98 + 10 + 5 \times 6$

$= 98 + 10 + 30$

$= 108 + 30$

$= 138$

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