Order of Operations (H)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

$9 \times (8 - 2^3 + 7)$

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

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

$9 \times (7 + 6 - 3^2)$

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

$7 \times (4^2 + 2 - 8)$

$(9 - 3) \div 6 + 5^2$

$(6^2 \div 9) \times (5 + 3)$

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

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Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(3+9-8)^2 \times 5$
$= (12-8)^2 \times 5$
$= 4^2 \times 5$
$= 16 \times 5$
$= 80$

$9 \times (8 - 2^3 + 7)$
$= 9 \times (8-8+7)$
$= 9 \times (0+7)$
$= 9 \times 7$
$= 63$

$(8^2 + 4 - 10) \div 2$
$= (64+4-10) \div 2$
$= (68-10) \div 2$
$= 58 \div 2$
$= 29$

$(10^2 - 5 \times 4) \div 2$
$= (100 - 5 \times 4) \div 2$
$= (100-20) \div 2$
$= 80 \div 2$
$= 40$

$9 \times (7 + 6 - 3^2)$
$= 9 \times (7+6-9)$
$= 9 \times (13-9)$
$= 9 \times 4$
$= 36$

$(5-2)^3 \times 3 + 8$
$= 3^3 \times 3 + 8$
$= 27 \times 3 + 8$
$= 81 + 8$
$= 89$

$7 \times (4^2 + 2 - 8)$
$= 7 \times (16+2-8)$
$= 7 \times (18-8)$
$= 7 \times 10$
$= 70$

$(9-3) \div 6 + 5^2$
$= 6 \div 6 + 5^2$
$= 6 \div 6 + 25$
$= 1 + 25$
$= 26$

$(6^2 \div 9) \times (5+3)$
$= (36 \div 9) \times (5+3)$
$= 4 \times (5+3)$
$= 4 \times 8$
$= 32$

$(7+9-10)^2 \div 3$
$= (16-10)^2 \div 3$
$= 6^2 \div 3$
$= 36 \div 3$
$= 12$