Order of Operations (J)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(8 \div (7 + 3 - 6))^2 \times 9$

$\left(3 \times 5 + 9^2\right) \div (10 - 6)$

$\left((2 + 3 - 5)^2 \div 9\right) \times 10$

$\left(3 \times 5^2 - 7 + 4\right) \div 6$

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

$6 - 2^2 + 3 \times (10 \div 5)$

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

$3 \div (5 - 4)^2 \times 10 + 9$

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Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(8 \div (7+3-6))^2 \times 9$
$= (8 \div (10-6))^2 \times 9$
$= (8 \div 4)^2 \times 9$
$= 2^2 \times 9$
$= 4 \times 9$
$= 36$

$(3 \times 5 + 9^2) \div (10-6)$
$= (3 \times 5 + 81) \div (10-6)$
$= (15+81) \div (10-6)$
$= 96 \div (10-6)$
$= 96 \div 4$
$= 24$

$\left((2+3-5)^2 \div 9\right) \times 10$
$= \left((5-5)^2 \div 9\right) \times 10$
$= (0^2 \div 9) \times 10$
$= (0 \div 9) \times 10$
$= 0 \times 10$
$= 0$

$(3 \times 5^2 - 7 + 4) \div 6$
$= (3 \times 25 - 7 + 4) \div 6$
$= (75 - 7 + 4) \div 6$
$= (68+4) \div 6$
$= 72 \div 6$
$= 12$

$(10 \div (6-4)) \times 2 + 3^3$
$= (10 \div 2) \times 2 + 3^3$
$= 5 \times 2 + 3^3$
$= 5 \times 2 + 27$
$= 10 + 27$
$= 37$

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

$(6 \times 3 - 2^3) \div 5 + 8$
$= (6 \times 3 - 8) \div 5 + 8$
$= (18-8) \div 5 + 8$
$= 10 \div 5 + 8$
$= 2 + 8$
$= 10$

$3 \div (5-4)^2 \times 10 + 9$
$= 3 \div 1^2 \times 10 + 9$
$= 3 \div 1 \times 10 + 9$
$= 3 \times 10 + 9$
$= 30 + 9$
$= 39$