Order of Operations (F)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(3^2 - 9) \div (8 \times 2 + 10)$

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

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

$8 \times 4 \div (3^2 + 2 - 9)$

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

$(2^2 \times (10 - 5)) \div 4 + 7$

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

$(7 \times 8) \div (3 + 9 - 10)^3$

Order of Operations (F)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(3^2 - 9) \div (8 \times 2 + 10)$
$= (9 - 9) \div (8 \times 2 + 10)$
$= 0 \div (8 \times 2 + 10)$
$= 0 \div (16 + 10)$
$= 0 \div 26$
$= 0$

$(6^2 \div 4 - 7) \times (5 + 3)$
$= (36 \div 4 - 7) \times (5 + 3)$
$= (9 - 7) \times (5 + 3)$
$= 2 \times (5 + 3)$
$= 2 \times 8$
$= 16$

$5 \times (8 - 6 + 4^2) \div 9$
$= 5 \times (8 - 6 + 16) \div 9$
$= 5 \times (2 + 16) \div 9$
$= 5 \times 18 \div 9$
$= 90 \div 9$
$= 10$

$8 \times 4 \div (3^2 + 2 - 9)$
$= 8 \times 4 \div (9 + 2 - 9)$
$= 8 \times 4 \div (11 - 9)$
$= 8 \times 4 \div 2$
$= 32 \div 2$
$= 16$

$(5 + 4 \times 3^2) \div (8 - 7)$
$= (5 + 4 \times 9) \div (8 - 7)$
$= (5 + 36) \div (8 - 7)$
$= 41 \div (8 - 7)$
$= 41 \div 1$
$= 41$

$(2^2 \times (10 - 5)) \div 4 + 7$
$= (2^2 \times 5) \div 4 + 7$
$= (4 \times 5) \div 4 + 7$
$= 20 \div 4 + 7$
$= 5 + 7$
$= 12$

$3 \times ((7 - 6 + 8) \div 9)^3$
$= 3 \times ((1 + 8) \div 9)^3$
$= 3 \times (9 \div 9)^3$
$= 3 \times 1^3$
$= 3 \times 1$
$= 3$

$(7 \times 8) \div (3 + 9 - 10)^3$
$= 56 \div (3 + 9 - 10)^3$
$= 56 \div (12 - 10)^3$
$= 56 \div 2^3$
$= 56 \div 8$
$= 7$