Order of Operations (A)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(10 + 2 - 5) \times \left(6^2 \div (8 - 4)\right)$

$10 + 8 - 6^2 \div \left(3^2 \times 4\right)$

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

$(10 \times (6 + 4)) \div \left(2^3 - 7\right)^2$

$\left(8 + 5^2\right) \times \left((9 - 7)^2 \div 2\right)$

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

Order of Operations (A)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(10+2-5)\times(6^2\div(8-4))$
$=(12-5)\times(6^2\div(8-4))$
$=7\times(6^2\div(8-4))$
$=7\times(6^2\div4)$
$=7\times(36\div4)$
$=7\times9$
$=63$

$10+8-6^2\div(3^2\times4)$
$=10+8-6^2\div(9\times4)$
$=10+8-6^2\div36$
$=10+8-36\div36$
$=10+8-1$
$=18-1$
$=17$

$8\div(10-9)^3\times7+4^2$
$=8\div1^3\times7+4^2$
$=8\div1\times7+4^2$
$=8\div1\times7+16$
$=8\times7+16$
$=56+16$
$=72$

$(10\times(6+4))\div(2^3-7)^2$
$=(10\times10)\div(2^3-7)^2$
$=100\div(2^3-7)^2$
$=100\div(8-7)^2$
$=100\div1^2$
$=100\div1$
$=100$

$(8+5^2)\times((9-7)^2\div2)$
$=(8+25)\times((9-7)^2\div2)$
$=33\times((9-7)^2\div2)$
$=33\times(2^2\div2)$
$=33\times(4\div2)$
$=33\times2$
$=66$

$(3+9)\div6-2\times8\div4^2$
$=12\div6-2\times8\div4^2$
$=12\div6-2\times8\div16$
$=2-2\times8\div16$
$=2-16\div16$
$=2-1$
$=1$