Order of Operations with Decimals (D)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$6.4 \times 9.7 + (2.8)^2$

$\left(7.8 + (5.6)^2\right) \div 4.4$

$6.8 \times (8.9 - 7.9)^3$

$(2.9)^2 + 1.3 \div 2.5$

$(8.8)^2 - 7.2 \div 4.5$

$1.7 \times 2.8 - (1.8)^2$

$2.4 \times 8.4 + (2.2)^2$

$(8.8)^2 - 5.4 \times 5.5$

$(1.4)^2 \div 9.8 + 7.7$

$6.4 \times 3.5 + (8.2)^2$

Order of Operations with Decimals (D) Answers

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$6.4 \times 9.7 + (2.8)^2$
$= 6.4 \times 9.7 + 7.84$
$= 62.08 + 7.84$
$= 69.92$

$\left(7.8 + (5.6)^2\right) \div 4.4$
$= (7.8 + 31.36) \div 4.4$
$= 39.16 \div 4.4$
$= 8.9$

$6.8 \times (8.9 - 7.9)^3$
$= 6.8 \times 1^3$
$= 6.8 \times 1$
$= 6.8$

$(2.9)^2 + 1.3 \div 2.5$
$= 8.41 + 1.3 \div 2.5$
$= 8.41 + 0.52$
$= 8.93$

$(8.8)^2 - 7.2 \div 4.5$
$= 77.44 - 7.2 \div 4.5$
$= 77.44 - 1.6$
$= 75.84$

$1.7 \times 2.8 - (1.8)^2$
$= 1.7 \times 2.8 - 3.24$
$= 4.76 - 3.24$
$= 1.52$

$2.4 \times 8.4 + (2.2)^2$
$= 2.4 \times 8.4 + 4.84$
$= 20.16 + 4.84$
$= 25$

$(8.8)^2 - 5.4 \times 5.5$
$= 77.44 - 5.4 \times 5.5$
$= 77.44 - 29.7$
$= 47.74$

$(1.4)^2 \div 9.8 + 7.7$
$= 1.96 \div 9.8 + 7.7$
$= 0.2 + 7.7$
$= 7.9$

$6.4 \times 3.5 + (8.2)^2$
$= 6.4 \times 3.5 + 67.24$
$= 22.4 + 67.24$
$= 89.64$