Order of Operations with Decimals (J)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(-8.2) \times 5.7 + (-7.9)^2$

$8.8 \times 0.9 - (-2.6)^2$

$6.7 - (-5.5)^2 \times 3.2$

$(2.9)^2 + 8.3 \times 6.6$

$(2.9)^2 - (-0.1) \times (-7.6)$

$(0.7)^2 + 5.4 \times (-9.8)$

$0.6 \times 7.5 + (-0.8)^2$

$(-1.3) \times 2.8 - (6.1)^2$

$(2.4)^2 - 8.2 \times (-6.1)$

$(-8.4)^2 \div 6.3 - (-2.4)$

Order of Operations with Decimals (J) Answers

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(-8.2) \times 5.7 + (-7.9)^2$
$= (-8.2) \times 5.7 + 62.41$
$= (-46.74) + 62.41$
$= 15.67$

$8.8 \times 0.9 - (-2.6)^2$
$= 8.8 \times 0.9 - 6.76$
$= 7.92 - 6.76$
$= 1.16$

$6.7 - (-5.5)^2 \times 3.2$
$= 6.7 - 30.25 \times 3.2$
$= 6.7 - 96.8$
$= -90.1$

$(2.9)^2 + 8.3 \times 6.6$
$= 8.41 + 8.3 \times 6.6$
$= 8.41 + 54.78$
$= 63.19$

$(2.9)^2 - (-0.1) \times (-7.6)$
$= 8.41 - (-0.1) \times (-7.6)$
$= 8.41 - 0.76$
$= 7.65$

$(0.7)^2 + 5.4 \times (-9.8)$
$= 0.49 + 5.4 \times (-9.8)$
$= 0.49 + (-52.92)$
$= -52.43$

$0.6 \times 7.5 + (-0.8)^2$
$= 0.6 \times 7.5 + 0.64$
$= 4.5 + 0.64$
$= 5.14$

$(-1.3) \times 2.8 - (6.1)^2$
$= (-1.3) \times 2.8 - 37.21$
$= (-3.64) - 37.21$
$= -40.85$

$(2.4)^2 - 8.2 \times (-6.1)$
$= 5.76 - 8.2 \times (-6.1)$
$= 5.76 - (-50.02)$
$= 55.78$

$(-8.4)^2 \div 6.3 - (-2.4)$
$= 70.56 \div 6.3 - (-2.4)$
$= 11.2 - (-2.4)$
$= 13.6$