Order of Operations with Decimals	**(C)**

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$(6.9 - (-8.1)) \times ((-6.9) + 5.6)^2$

$(7.9 - (-8.9) + (-2.2)) \times (-1.5)^2$

$(-2.2) - (9.2)^2 \div ((-6.4) \times 2.5)$

$((-6.4) - (-8.2)) \times (-5.1) + (0.3)^2$

$\left((2.5)^2 - 9.8\right) \times (6.9 + 1.5)$

$9.6 \times ((-9.6) - (-1.8) + 7.3)^2$

$(-8.3)^2 - 4.4 \times ((-1.7) + 0.2)$

$(-2.9)^2 + 6.8 \times ((-8.6) - 2.1)$

Order of Operations with Decimals (C) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$\left(\underline{6.9 - (-8.1)}\right) \times ((-6.9) + 5.6)^2$

$= 15 \times \left(\underline{(-6.9) + 5.6}\right)^2$

$= 15 \times \underline{(-1.3)^2}$

$= \underline{15 \times 1.69}$

$= 25.35$

$\left(\underline{7.9 - (-8.9)} + (-2.2)\right) \times (-1.5)^2$

$= \left(\underline{16.8 + (-2.2)}\right) \times (-1.5)^2$

$= 14.6 \times \underline{(-1.5)^2}$

$= \underline{14.6 \times 2.25}$

$= 32.85$

$(-2.2) - (9.2)^2 \div \left(\underline{(-6.4) \times 2.5}\right)$

$= (-2.2) - \underline{(9.2)^2} \div (-16)$

$= (-2.2) - \underline{84.64 \div (-16)}$

$= \underline{(-2.2) - (-5.29)}$

$= 3.09$

$\left(\underline{(-6.4) - (-8.2)}\right) \times (-5.1) + (0.3)^2$

$= 1.8 \times (-5.1) + \underline{(0.3)^2}$

$= \underline{1.8 \times (-5.1)} + 0.09$

$= \underline{(-9.18) + 0.09}$

$= -9.09$

$\left(\underline{(2.5)^2} - 9.8\right) \times (6.9 + 1.5)$

$= (\underline{6.25 - 9.8}) \times (6.9 + 1.5)$

$= (-3.55) \times (\underline{6.9 + 1.5})$

$= \underline{(-3.55) \times 8.4}$

$= -29.82$

$9.6 \times \left(\underline{(-9.6) - (-1.8)} + 7.3\right)^2$

$= 9.6 \times \left(\underline{(-7.8) + 7.3}\right)^2$

$= 9.6 \times \underline{(-0.5)^2}$

$= \underline{9.6 \times 0.25}$

$= 2.4$

$(-8.3)^2 - 4.4 \times \left(\underline{(-1.7) + 0.2}\right)$

$= \underline{(-8.3)^2} - 4.4 \times (-1.5)$

$= 68.89 - \underline{4.4 \times (-1.5)}$

$= \underline{68.89 - (-6.6)}$

$= 75.49$

$(-2.9)^2 + 6.8 \times \left(\underline{(-8.6) - 2.1}\right)$

$= \underline{(-2.9)^2} + 6.8 \times (-10.7)$

$= 8.41 + \underline{6.8 \times (-10.7)}$

$= \underline{8.41 + (-72.76)}$

$= -64.35$