Order of Operations with Decimals (B)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$5.9 + 3.8 \times (5.4 - 3.9)^2$

$8.6 \times \left(9.5 + 6.2 - (3.5)^2\right)$

$(5.9)^2 - 7.8 \div (4.9 + 2.6)$

$(8.2)^2 - 9.3 \div (7.1 + 2.2)$

$(7.7)^2 + 4.9 \times (4.3 - 3.9)$

$1.2 \times (5.4 - 3.4 + 1.5)^2$

$\left(8.6 + (7.4)^2 - 9.5\right) \times 1.5$

$\left((6.6)^2 - 8.4 + 3.7\right) \div 5.8$

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$5.9 + 3.8 \times (\underline{5.4 - 3.9})^2$

$= 5.9 + 3.8 \times \underline{(1.5)^2}$

$= 5.9 + \underline{3.8 \times 2.25}$

$= \underline{5.9 + 8.55}$

$= 14.45$

$8.6 \times \left(9.5 + 6.2 - \underline{(3.5)^2}\right)$

$= 8.6 \times (\underline{9.5 + 6.2} - 12.25)$

$= 8.6 \times (\underline{15.7 - 12.25})$

$= \underline{8.6 \times 3.45}$

$= 29.67$

$(5.9)^2 - 7.8 \div (\underline{4.9 + 2.6})$

$= \underline{(5.9)^2} - 7.8 \div 7.5$

$= 34.81 - \underline{7.8 \div 7.5}$

$= \underline{34.81 - 1.04}$

$= 33.77$

$(8.2)^2 - 9.3 \div (\underline{7.1 + 2.2})$

$= \underline{(8.2)^2} - 9.3 \div 9.3$

$= 67.24 - \underline{9.3 \div 9.3}$

$= \underline{67.24 - 1}$

$= 66.24$

$(7.7)^2 + 4.9 \times (\underline{4.3 - 3.9})$

$= \underline{(7.7)^2} + 4.9 \times 0.4$

$= 59.29 + \underline{4.9 \times 0.4}$

$= \underline{59.29 + 1.96}$

$= 61.25$

$1.2 \times (\underline{5.4 - 3.4} + 1.5)^2$

$= 1.2 \times (\underline{2 + 1.5})^2$

$= 1.2 \times \underline{(3.5)^2}$

$= \underline{1.2 \times 12.25}$

$= 14.7$

$\left(8.6 + \underline{(7.4)^2} - 9.5\right) \times 1.5$

$= (\underline{8.6 + 54.76} - 9.5) \times 1.5$

$= (\underline{63.36 - 9.5}) \times 1.5$

$= \underline{53.86 \times 1.5}$

$= 80.79$

$\left(\underline{(6.6)^2} - 8.4 + 3.7\right) \div 5.8$

$= (\underline{43.56 - 8.4} + 3.7) \div 5.8$

$= (\underline{35.16 + 3.7}) \div 5.8$

$= \underline{38.86 \div 5.8}$

$= 6.7$