Name: _____

Date: _____

Solve each expression using the correct order of operations.

$\left((-8.9)^2 \times (8.3 - 4.4 + (-3.9))\right)^3 \div 7.2$

$(((-8.6) + 7.4) \times 6.8) \div (0.8)^2 - (7.2)^2$

$8.3 + (2.5)^2 - (-8.9) \div (0.2 \times 2.5 \times (-0.5))$

Order of Operations with Decimals (E) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$\left((-8.9)^2 \times \underline{(8.3 - 4.4} + (-3.9))\right)^3 \div 7.2$

$= \left((-8.9)^2 \times \left(\underline{3.9 + (-3.9)}\right)\right)^3 \div 7.2$

$= \left(\underline{(-8.9)^2} \times 0\right)^3 \div 7.2$

$= (\underline{79.21 \times 0})^3 \div 7.2$

$= \underline{0^3} \div 7.2$

$= \underline{0 \div 7.2}$

$= 0$

$\left(\left(\underline{(-8.6) + 7.4}\right) \times 6.8\right) \div (0.8)^2 - (7.2)^2$

$= \left(\underline{(-1.2) \times 6.8}\right) \div (0.8)^2 - (7.2)^2$

$= (-8.16) \div \underline{(0.8)^2} - (7.2)^2$

$= (-8.16) \div 0.64 - \underline{(7.2)^2}$

$= \underline{(-8.16) \div 0.64} - 51.84$

$= \underline{(-12.75) - 51.84}$

$= -64.59$

$8.3 + (2.5)^2 - (-8.9) \div \underline{(0.2 \times 2.5} \times (-0.5))$

$= 8.3 + (2.5)^2 - (-8.9) \div \left(\underline{0.5 \times (-0.5)}\right)$

$= 8.3 + \underline{(2.5)^2} - (-8.9) \div (-0.25)$

$= 8.3 + 6.25 - \underline{(-8.9) \div (-0.25)}$

$= \underline{8.3 + 6.25} - 35.6$

$= \underline{14.55 - 35.6}$

$= -21.05$