

Order of Operations with Decimals (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$1.7 + (4.4)^2$$

$$(-8.5) \times (-1.2)^2$$

$$(-9.4) \times (-7.8) - (-4.8)$$

$$(4.9 - (-9.8)) \div (-1.4)$$

$$(-6.4) + (2.7)^2$$

$$(9.3)^2 - 5.2$$

$$(1.4)^2 \div 2.8$$

$$4.6 + (-7.1)^2$$

$$4.7 - (-8.7)^2$$

$$(-7.6) + 7.4 \times 3.9$$

Order of Operations with Decimals (D) Answers

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & 1.7 + \underline{(4.4)^2} \\ & = \underline{1.7 + 19.36} \\ & = 21.06 \end{aligned}$$

$$\begin{aligned} & (-8.5) \times \underline{(-1.2)^2} \\ & = \underline{(-8.5) \times 1.44} \\ & = -12.24 \end{aligned}$$

$$\begin{aligned} & \underline{(-9.4) \times (-7.8)} - (-4.8) \\ & = \underline{73.32 - (-4.8)} \\ & = 78.12 \end{aligned}$$

$$\begin{aligned} & \underline{(4.9 - (-9.8))} \div (-1.4) \\ & = \underline{14.7 \div (-1.4)} \\ & = -10.5 \end{aligned}$$

$$\begin{aligned} & (-6.4) + \underline{(2.7)^2} \\ & = \underline{(-6.4) + 7.29} \\ & = 0.89 \end{aligned}$$

$$\begin{aligned} & \underline{(9.3)^2} - 5.2 \\ & = \underline{86.49 - 5.2} \\ & = 81.29 \end{aligned}$$

$$\begin{aligned} & \underline{(1.4)^2} \div 2.8 \\ & = \underline{1.96 \div 2.8} \\ & = 0.7 \end{aligned}$$

$$\begin{aligned} & 4.6 + \underline{(-7.1)^2} \\ & = \underline{4.6 + 50.41} \\ & = 55.01 \end{aligned}$$

$$\begin{aligned} & 4.7 - \underline{(-8.7)^2} \\ & = \underline{4.7 - 75.69} \\ & = -70.99 \end{aligned}$$

$$\begin{aligned} & (-7.6) + \underline{7.4 \times 3.9} \\ & = \underline{(-7.6) + 28.86} \\ & = 21.26 \end{aligned}$$