

## Order of Operations with Decimals (D)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$(2.8 - 4.4) \times (-3.5)^2$$

$$(3.4)^2 - 4.4 \times (-9.2)$$

$$(6.5 + (-7.9)) \div (-0.4)^2$$

$$((-3.6) + 3.6) \div (-9.3)^2$$

$$5.3 \times 7.8 - (5.6)^2$$

$$(-7.8)^2 \div 1.2 + (-7.2)$$

$$(2.2)^2 - (-3.6) \div 0.4$$

$$(3.4)^2 \times ((-4.3) + (-1.7))$$

$$6.5 \times 1.8 - (-0.3)^2$$

$$(5.6 - (3.2)^2) \times 4.8$$

# Order of Operations with Decimals (D) Answers

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Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \underline{(2.8 - 4.4)} \times (-3.5)^2 \\ & = (-1.6) \times \underline{(-3.5)^2} \\ & = \underline{(-1.6) \times 12.25} \\ & = -19.6 \end{aligned}$$

$$\begin{aligned} & \underline{(3.4)^2} - 4.4 \times (-9.2) \\ & = 11.56 - \underline{4.4 \times (-9.2)} \\ & = \underline{11.56 - (-40.48)} \\ & = 52.04 \end{aligned}$$

$$\begin{aligned} & \underline{(6.5 + (-7.9))} \div (-0.4)^2 \\ & = (-1.4) \div \underline{(-0.4)^2} \\ & = \underline{(-1.4) \div 0.16} \\ & = -8.75 \end{aligned}$$

$$\begin{aligned} & \underline{((-3.6) + 3.6)} \div (-9.3)^2 \\ & = 0 \div \underline{(-9.3)^2} \\ & = \underline{0 \div 86.49} \\ & = 0 \end{aligned}$$

$$\begin{aligned} & 5.3 \times 7.8 - \underline{(5.6)^2} \\ & = \underline{5.3 \times 7.8} - 31.36 \\ & = \underline{41.34 - 31.36} \\ & = 9.98 \end{aligned}$$

$$\begin{aligned} & \underline{(-7.8)^2} \div 1.2 + (-7.2) \\ & = \underline{60.84 \div 1.2} + (-7.2) \\ & = \underline{50.7 + (-7.2)} \\ & = 43.5 \end{aligned}$$

$$\begin{aligned} & \underline{(2.2)^2} - (-3.6) \div 0.4 \\ & = 4.84 - \underline{(-3.6) \div 0.4} \\ & = \underline{4.84 - (-9)} \\ & = 13.84 \end{aligned}$$

$$\begin{aligned} & (3.4)^2 \times \underline{((-4.3) + (-1.7))} \\ & = \underline{(3.4)^2} \times (-6) \\ & = \underline{11.56 \times (-6)} \\ & = -69.36 \end{aligned}$$

$$\begin{aligned} & 6.5 \times 1.8 - \underline{(-0.3)^2} \\ & = \underline{6.5 \times 1.8} - 0.09 \\ & = \underline{11.7 - 0.09} \\ & = 11.61 \end{aligned}$$

$$\begin{aligned} & (5.6 - \underline{(3.2)^2}) \times 4.8 \\ & = \underline{(5.6 - 10.24)} \times 4.8 \\ & = \underline{(-4.64) \times 4.8} \\ & = -22.272 \end{aligned}$$