

Order of Operations (E)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\left((-5) - 9 \div (7 + (-6))^3\right) \times (-4)$$

$$(-10) \div (5 - 3^2 + 2) \times (-2)$$

$$\left((-8) + (-6) - (-7)\right) \times \left((-3)^3 \div (-9)\right)$$

$$\left((-4) + (-2)\right)^2 \div 4 - (-7) \times 10$$

$$(-3) + (-8) \times (-7) \div (5 - 4)^3$$

$$\left((-10) \times (-2) + 2 - 4^3\right) \div 7$$

Order of Operations (E) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & \left((-5) - 9 \div (7 + (-6)) \right)^3 \times (-4) \\ & = \left((-5) - 9 \div 1^3 \right) \times (-4) \\ & = \left((-5) - 9 \div 1 \right) \times (-4) \\ & = \left((-5) - 9 \right) \times (-4) \\ & = (-14) \times (-4) \\ & = 56 \end{aligned}$$

$$\begin{aligned} & (-10) \div (5 - 3^2 + 2) \times (-2) \\ & = (-10) \div (5 - 9 + 2) \times (-2) \\ & = (-10) \div ((-4) + 2) \times (-2) \\ & = (-10) \div (-2) \times (-2) \\ & = 5 \times (-2) \\ & = -10 \end{aligned}$$

$$\begin{aligned} & \left((-8) + (-6) - (-7) \right) \times \left((-3)^3 \div (-9) \right) \\ & = \left((-14) - (-7) \right) \times \left((-3)^3 \div (-9) \right) \\ & = (-7) \times \left((-3)^3 \div (-9) \right) \\ & = (-7) \times \left((-27) \div (-9) \right) \\ & = (-7) \times 3 \\ & = -21 \end{aligned}$$

$$\begin{aligned} & \left((-4) + (-2) \right)^2 \div 4 - (-7) \times 10 \\ & = (-6)^2 \div 4 - (-7) \times 10 \\ & = 36 \div 4 - (-7) \times 10 \\ & = 9 - (-7) \times 10 \\ & = 9 - (-70) \\ & = 79 \end{aligned}$$

$$\begin{aligned} & (-3) + (-8) \times (-7) \div (5 - 4)^3 \\ & = (-3) + (-8) \times (-7) \div 1^3 \\ & = (-3) + (-8) \times (-7) \div 1 \\ & = (-3) + 56 \div 1 \\ & = (-3) + 56 \\ & = 53 \end{aligned}$$

$$\begin{aligned} & ((-10) \times (-2) + 2 - 4^3) \div 7 \\ & = \left((-10) \times (-2) + 2 - 64 \right) \div 7 \\ & = (20 + 2 - 64) \div 7 \\ & = (22 - 64) \div 7 \\ & = (-42) \div 7 \\ & = -6 \end{aligned}$$