

Order of Operations (B)

Name: _____

Date: _____

Solve each expression using the correct order of operations.

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

$$(5^2 - 6 + (-5)) \times 2$$

$$9 \times (-10) - (-3)^3 + 10$$

$$(-5) \times (7 - 4 + 2^3)$$

$$10 + 6 \times 2 - (-3)^3$$

$$(-7) \times 9 \div ((-5) - (-2))^2$$

$$(-6) \times ((-5) - (-2)^2 + 5)$$

$$(-7) \times (2 - (-3)^2 + (-5))$$

$$(9^2 - (-4) + 3) \div (-8)$$

$$(-6) - 6 \times (-9) \div 3^3$$

Order of Operations (B) Answers

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$\begin{aligned} & 2^3 \times 10 - 3 + (-2) \\ & = 8 \times 10 - 3 + (-2) \\ & = 80 - 3 + (-2) \\ & = 77 + (-2) \\ & = 75 \end{aligned}$$

$$\begin{aligned} & (5^2 - 6 + (-5)) \times 2 \\ & = (25 - 6 + (-5)) \times 2 \\ & = (19 + (-5)) \times 2 \\ & = 14 \times 2 \\ & = 28 \end{aligned}$$

$$\begin{aligned} & 9 \times (-10) - (-3)^3 + 10 \\ & = 9 \times (-10) - (-27) + 10 \\ & = (-90) - (-27) + 10 \\ & = (-63) + 10 \\ & = -53 \end{aligned}$$

$$\begin{aligned} & (-5) \times (7 - 4 + 2^3) \\ & = (-5) \times (7 - 4 + 8) \\ & = (-5) \times (3 + 8) \\ & = (-5) \times 11 \\ & = -55 \end{aligned}$$

$$\begin{aligned} & 10 + 6 \times 2 - (-3)^3 \\ & = 10 + 6 \times 2 - (-27) \\ & = 10 + 12 - (-27) \\ & = 22 - (-27) \\ & = 49 \end{aligned}$$

$$\begin{aligned} & (-7) \times 9 \div \left((-5) - (-2) \right)^2 \\ & = (-7) \times 9 \div (-3)^2 \\ & = (-7) \times 9 \div 9 \\ & = (-63) \div 9 \\ & = -7 \end{aligned}$$

$$\begin{aligned} & (-6) \times \left((-5) - (-2)^2 + 5 \right) \\ & = (-6) \times \left((-5) - 4 + 5 \right) \\ & = (-6) \times \left((-9) + 5 \right) \\ & = (-6) \times (-4) \\ & = 24 \\ & (9^2 - (-4) + 3) \div (-8) \\ & = (81 - (-4) + 3) \div (-8) \\ & = (85 + 3) \div (-8) \\ & = 88 \div (-8) \\ & = -11 \end{aligned}$$

$$\begin{aligned} & (-7) \times \left(2 - (-3)^2 + (-5) \right) \\ & = (-7) \times (2 - 9 + (-5)) \\ & = (-7) \times \left((-7) + (-5) \right) \\ & = (-7) \times (-12) \\ & = 84 \\ & (-6) - 6 \times (-9) \div 3^3 \\ & = (-6) - 6 \times (-9) \div 27 \\ & = (-6) - (-54) \div 27 \\ & = (-6) - (-2) \\ & = -4 \end{aligned}$$