SOLUTIONS

Order of Operations (A) Answers

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$(-5)^2 - 4 \times \left(6 \div \left(\underline{(-7)+8}\right)\right) \times 3$

$= (-5)^2 - 4 \times \underline{(6 \div 1)} \times 3$

$= \underline{(-5)^2} - 4 \times 6 \times 3$

$= 25 - \underline{4 \times 6} \times 3$

$= 25 - \underline{24 \times 3}$

$= \underline{25 - 72}$

$= -47$

$\left(\underline{(-9)+7}\right)^3 \times (-5) \div ((4-(-6)) \times 2)$

$= (-2)^3 \times (-5) \div \left(\left(\underline{4-(-6)}\right) \times 2\right)$

$= (-2)^3 \times (-5) \div \underline{(10 \times 2)}$

$= \underline{(-2)^3} \times (-5) \div 20$

$= \underline{(-8) \times (-5)} \div 20$

$= \underline{40 \div 20}$

$= 2$

$(2^2 \times \underline{(6-9)}) \div 3 + (-4)^2$

$= (\underline{2^2} \times (-3)) \div 3 + (-4)^2$

$= \left(\underline{4 \times (-3)}\right) \div 3 + (-4)^2$

$= (-12) \div 3 + \underline{(-4)^2}$

$= \underline{(-12) \div 3} + 16$

$= \underline{(-4) + 16}$

$= 12$

$\left(\underline{(-7)+7}\right) \div (-9)^2 \times \left(8 - (-3)^2\right)$

$= 0 \div (-9)^2 \times \left(8 - \underline{(-3)^2}\right)$

$= 0 \div (-9)^2 \times \underline{(8-9)}$

$= 0 \div \underline{(-9)^2} \times (-1)$

$= \underline{0 \div 81} \times (-1)$

$= \underline{0 \times (-1)}$

$= 0$

$\left(\underline{(-7)+9} - 7\right)^2 \times (5 \div (-5))^2$

$= \underline{(2-7)^2} \times (5 \div (-5))^2$

$= (-5)^2 \times \left(\underline{5 \div (-5)}\right)^2$

$= \underline{(-5)^2} \times (-1)^2$

$= 25 \times \underline{(-1)^2}$

$= \underline{25 \times 1}$

$= 25$

$\left((-3) \times \left(\underline{10+(-7)}\right)\right)^2 \div 3 - (-9)^2$

$= \left(\underline{(-3) \times 3}\right)^2 \div 3 - (-9)^2$

$= \underline{(-9)^2} \div 3 - (-9)^2$

$= 81 \div 3 - \underline{(-9)^2}$

$= \underline{81 \div 3} - 81$

$= \underline{27 - 81}$

$= -54$