

1.5 Order of Operations Part 1

Section: _____

No work, no credit. You are expected to use the methods shown in class. Simplify all results when possible. I expect you to use proper, clear, and precise mathematical notation and complete sentences. Points will be deducted if your mathematical work is messy, mediocre, clumsy, poor, untidy, and/or unclear.

1. Simplify: $-\frac{3}{4} \div \frac{1}{8} + \left(-\frac{2}{5}\right)(-3)(-4)$

1. _____

2. Simplify: $\frac{12 - 2^3}{5 - 3 \cdot 2}$

2. _____

3. Simplify: $-4 + 3(-1)^4 + 18 \div 3$

3. _____

4. Simplify: $-2| - 8 - 2| \div (-5)(2)$

4. _____

5. Simplify: $-8^2 + 36 \div (9 - 5)$

5. _____

6. Simplify: $\sqrt{100 - 64} + 18 \div (-3)(-2)$

6. _____

7. Simplify: Simplify: $\frac{6^2 + 4}{8 \div (-2) \cdot 5}$

7. _____

8. Simplify: $-18 \cdot \frac{2}{9} \div (-2) + |9 - 5(-2)|$

8. _____