

Name: _____ Date: _____

Same Problem, Different Answers

By convention, mathematical expressions are simplified according to this sequence.

1. Parentheses (Find an answer for what's inside the parentheses.)
2. Exponents
3. Multiplication and Division (left to right)
4. Addition and Subtraction (left to right)

1. Fix these equations!

None of the statements below is correct as written. Rewrite them by inserting parentheses so that the resulting statements are correct equations.

a) $12 - 8 \cdot 1 + 7 = 32$

b) $8 - 15 + 6 \div 3 = 1$

c) $7 + 3^2 = 100$

d) $24 + 16 \div 8 - 4 = 10$

e) $20 \div 7 - 2 + 5^2 \cdot 3 = 79$

2. What could it be?

Place parentheses in different places in the expressions below to see how many different values you can make for each expression. Find at least three different values for each problem.

a) $7 - 5 \cdot 8 + 6 \div 2$

b) $4 + 9 - 6 \div 2 \cdot 5 + 1$