

HW 0.2 Simplify, simplify, and solve

1. Evaluate the following with Order of Operations

a. $6 + [12 \div (2 \cdot 3)]$

b. $\frac{4+6^2}{5 \cdot 2}$

c. $35 \div 5 + 2 \cdot 3$

d. $\frac{4^2-6}{2^2+1}$

e. $(6 + 3)^2 - \sqrt{-4 + 5}$

2. Solve the following equations. There may be 1 solution, no solution, or all solutions.

a. $-2 + x = x + 2$

b. $-(x - 1) = -4x - 2$

c. $2 + 3x = x + 2 + 2x$