

Math 46 Worksheet 1

1. Perform the following operations:

a.  $\frac{2}{3} - \frac{4}{9} + \frac{5}{6}$

b.  $4\frac{3}{7} \div \frac{31}{4}$

c.  $2 \cdot \frac{4}{5}$

2. Simplify:

a.  $3 \cdot 2^2$

b.  $\frac{15 - |3 - 1|}{12 - 3 \cdot 2}$

3. Evaluate  $x^2 - 3y + x$  if  $x = 12$  and  $y = 8$ .

4. Is 2 a solution of  $4x + 2 = x + 8$ ?

5. Write as a variable expression:

a. Five subtracted from a number

b. The quotient of a number and 6

c. The product of 8 and a number, decreased by four