

Math 1303 - Math in the Liberal Arts

Quiz #11 - 2005.10.26

Solutions

Consider the following equation:

$$a(y - z) = \frac{b}{c}(x - w)$$

1. Solve the equation for the variable a .

$$a = \frac{b}{c} \frac{x - w}{y - z}$$

2. Solve the equation for the variable w .

$$w = x - \frac{ac}{b}(y - z)$$

3. Solve the equation for the variable c .

$$c = \frac{b}{a} \frac{x - w}{y - z}$$