

Bellwork Alg 2A Monday, September 19, 2016

For each problem solve the equation for the indicated variable. State restrictions on the variables.

1. Solve for G .

2. Solve for W .

$$\frac{CGR-P}{K} + A = E$$

$$MQ(B-DW) - J = N$$

3. Solve for C .

$$S = XZ + \frac{H-K}{C}$$

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Answers

For each problem solve the equation for the indicated variable. State restrictions on the variables.

1. Solve for G .

2. Solve for W .

$$\frac{CGR-P}{K} + A = E - A$$

$$\frac{CGR}{CR} = \frac{K(E-A)+P}{CR}$$

$$\frac{MQ(B-DW)-J}{+J} = \frac{N}{+J}$$

$$K \cdot \frac{CGR-P}{K} = (E-A)K$$

$$G = \frac{K(E-A)+P}{CR}$$

$K \neq 0$
 $CR \neq 0$

$$\frac{CGR-P}{+P} = \frac{K(E-A)}{+P}$$

$$\frac{MQ(B-DW)}{mq} = \frac{N+J}{mq}$$

$$\frac{B-DW}{-B} = \frac{N+J}{mq} - B$$

$$\frac{-DW}{-D} = \frac{\frac{N+J}{mq} - B}{-D}$$

3. Solve for C .

$$S = XZ + \frac{H-K}{C}$$

$$C = \frac{H-K}{S-XZ}$$

$C \neq 0$
 $S-XZ \neq 0$

$$C(S-XZ) = \frac{H-K}{C} \cdot C$$

$$\frac{C(S-XZ)}{S-XZ} = \frac{H-K}{S-XZ}$$

$$W = \frac{\frac{N+J}{mq} - B}{-D}$$

$mq \neq 0$
 $D \neq 0$