## Solve for C. State restrictions on the variables.

$$\frac{1}{3}N(C-P) = RV$$

$$\frac{N}{3}(C-P) = RV \quad \text{Rewrite } \frac{1}{3}N \text{ as } \frac{N}{3}$$

$$C-P = RV \cdot \frac{2}{N} = \frac{3RV}{N} \quad \text{Multiply both sides by } \frac{3}{N}$$

$$C = \frac{3RV}{N} + P \quad \text{Add P to both sides}$$

$$N \neq 0$$

Solve for W. State restrictions on the variables.  

$$\begin{aligned}
(TW - RO = \frac{W + B}{G} \cdot G \quad Multiply both sides by G \\
GTW - RO = \frac{W + B}{G} \cdot G \quad Subtract W from both sides and add GRC to both sides \\
GTW - RO = \frac{W + B}{G} \cdot G \quad Subtract W from both sides and add GRC to both sides \\
GTW - W = B + GRC \quad Factor W from the left side \\
w (G\tau - i) = B + GRC \quad Divide both sides by (GT-1) \\
W = \frac{B + GRC}{GT - i} \quad GT - i \neq G \\
G = G = O \\
G = O$$

Solve this equation for Q. State restrictions on the variables.  $\begin{aligned}
\widehat{E(Q + A)} - 10 &= \widehat{W(Q - B)} \\
EQ + EA - 10 &= WQ - WB - EA + 10 \\
-WQ - EA + 10 - WQ - WB - EA + 10 \\
Q(E - W) &= -WB - EA + 10 \\
Q(E - W) &= -WB - EA + 10 \\
E - W &= -WB - EA + 10 \\
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E - W &= -WB - EA + 10 \\
E - W &= -WB -$ 





Solve this equation for Q. State restrictions on the variables.



You can now finish Hwk #4 Hwk #4 Due Tomorrow Sec 1-3 Page 21 Problems 24, 40, 43, 44, 47, 58, 63, 64