

Algebra /

Solving for a variable in terms of other variables in a linear equation...

$$\begin{aligned}
 &\cancel{5} \frac{r+p}{\cancel{5}} = 5 \cancel{5} \\
 &r+p = 5s \\
 &\quad \quad \quad -p \\
 &\boxed{r = 5s - p}
 \end{aligned}$$

Solve for r.

$$\cancel{2} \frac{2}{\cancel{2}} (F - G) = 9D \quad 9$$

Solve for G.

$$\cancel{2} \frac{2}{\cancel{2}} (F - G) = \frac{9D}{2}$$

$$\begin{aligned}
 F - G &= \frac{9D}{2} \\
 -F &\quad -F
 \end{aligned}$$

$$\frac{-1G}{-1} = \frac{\frac{9D}{2} - F}{-1}$$

Divide by -1
changes the signs

$$\boxed{G = -\frac{9D}{2} + F}$$