

2-1 D3 Notes

Thursday, September 28, 2023

9:34 AM

Solve - Get the variable on a side by itself.

Solve, then evaluate.

76) If $5x - 7 = 2x + 2$, evaluate $7x + 4$.

$$\begin{array}{r} \text{---} -2x + 7 \quad -2x + 7 \text{---} \\ 3x = 9 \\ \underline{3} \quad \underline{3} \\ x = 3 \\ \{3\} \end{array} \quad \begin{array}{r} 7(3) + 4 \\ 21 + 4 \\ \boxed{25} \end{array}$$

Solve for the indicated variable.

82) $I = \frac{Prt}{Pt}$; for r . (Business)

$$\boxed{\frac{I}{Pt} = r}$$

92) $F = \frac{9}{5}C + 32$; for C

(Temperature Conversion/Science)

$$5(F - 32) = \left(\frac{9}{5}C\right)5$$

$$\underline{5F - 160} = \underline{9C}$$

$$\boxed{\frac{5F - 160}{9} = C}$$