

3.8 Notes

“Rewrite Equations and Formulas”

Write the equation so that y is a function of x .

1. $2x + y = 7$ 2. $30 = 9x - 5y$

3. $7x - 3x + 12 = 20 - 8y$

Re-Writing Formulas

4. Solve $A = B - C$ for “ C ”

5. Solve $A = bc$ for “ b ”

Re-Writing Formulas

6. $S = 2B + Ph$, solve for “ h ”

7. The formula for the circumference of a circle is $C = 2\pi r$. Find “ r ” when $C = 43.96$ and $\pi = 3.14$.

Simple Interest Formula

8. $I = prt$, where I = interest earned, p = principal amount (amount you invested), r = % rate (as a decimal) and t = time (in years).

Find the amount you would need to invest IF you wanted to earn \$360 at a 4.5% interest rate over a 4 year time period.