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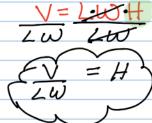
Identify the terms, the coefficients and the constant of the expression.

$$-2 + 3x + 5y - 6z$$

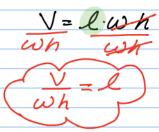
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| 112.12  | Colymna  | for a constitu | Variable |
| M2:L2.3 | 20171115 | for a specific | variable |
|         | ~ ~ 1    | ror a specime  |          |

Objective: We will be able to solve for a specific variable in a formula.

Using the formula  $V = \ell_{Wh}$  for a rectangular prism, rewrite the formula to solve for h.



**B** Using the formula  $V = \ell wh$  for a rectangular prism, rewrite the formula to solve for  $\ell$ .



Example

Using the formula Ax+By = C, rewrite the formula to solve for y

$$Ax + By = C$$

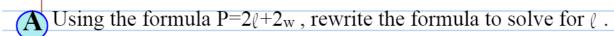
$$-Ax - Ax$$

$$By = C - Ax$$

**B** Using the formula  $C = \frac{5}{9}(F-32)$ , rewrite the formula to solve for F.

$$\frac{9.C = \frac{8}{9}(F-32) \cdot \frac{9}{8}}{\frac{9}{5}C = F-3\frac{1}{2}}$$

$$\frac{9}{5}C + \frac{32}{5} = F$$



$$P = 2l + 2ux$$

$$-2w - 2w$$

$$P - 2w = 26l$$

$$P - 2w = 2$$

B Using the formula I=prt, rewrite the formula to solve for r.

Find the number of years used in the calculation of a \$1000 loan at an interest rate of 5% with interest totaling \$600.

T=Prt

$$T=interest \Rightarrow 600$$
 $Pr$ 
 $P=Principal \Rightarrow 1000$ 
 $T$ 
 $P=rate \Rightarrow .05$ 
 $C=rate \Rightarrow .05$