2.5 notes.notebook

Literal Equations and Formulas

Solve each equation for y then find the value of y for each x value.

1) $x + y = 18; \quad x = -3, \ 2, \ 5$

2) $2x = 5y - 7; \quad x = 0, \ 2, \ 4$

on your own...

3) $9x - 3y = 15; \quad x = -2, \ 2, \ 6$

A **literal equation** is an equation that involves _____.

A **formula** is an equation that states a relationship _____.

Solve for x.

4) $y = mx + b$

5) $7x = 3(x + 2y)$

6) $\dfrac{q}{x} = \dfrac{r}{s}$

Solve for the given variable.

7) $PV = nRT$ for R

8) $Ax + By = C$ for B

9) $3(w - v) = 4v - 5$ for V