

Name : _____

Solving Literal Equations

Coloring Worksheet

Solve the following equations for the given variable. Then, choose the correct answer and color as given.

1) $-3x + 2c = -3$, for x	$x = \frac{2c + 3}{3}$ Color VIOLET	$x = \frac{2c - 3}{3}$ Color RED
2) $u = \frac{ak}{b}$, for a	$a = \frac{ub}{k}$ Color BLUE	$a = \frac{k}{ub}$ Color YELLOW
3) $A = \frac{x + y}{2}$, for y	$y = 2A + x$ Color BROWN	$y = 2A - x$ Color ORANGE
4) $2w - y = 7w - 2$, for w	$w = \frac{2 - y}{5}$ Color GREEN	$w = \frac{2 + y}{5}$ Color GREY
5) $rt - 2n = y$, for t	$t = \frac{2n - y}{r}$ Color GREY	$t = \frac{2n + y}{r}$ Color RED
6) $\frac{P + 9}{5} = r$, for P	$P = 5r + 9$ Color RED	$P = 5r - 9$ Color PINK

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Answers

1) $-3x + 2c = -3$, for x	$x = \frac{2c + 3}{3}$ Color VIOLET	$x = \frac{2c - 3}{3}$ Color RED
2) $u = \frac{ak}{b}$, for a	$a = \frac{ub}{k}$ Color BLUE	$a = \frac{k}{ub}$ Color YELLOW
3) $A = \frac{x + y}{2}$, for y	$y = 2A + x$ Color BROWN	$y = 2A - x$ Color ORANGE
4) $2w - y = 7w - 2$, for w	$w = \frac{2 - y}{5}$ Color GREEN	$w = \frac{2 + y}{5}$ Color GREY
5) $rt - 2n = y$, for t	$t = \frac{2n - y}{r}$ Color GREY	$t = \frac{2n + y}{r}$ Color RED
6) $\frac{P + 9}{5} = r$, for P	$P = 5r + 9$ Color RED	$P = 5r - 9$ Color PINK