

## Solving Absolute Value Equations

Name: \_\_\_\_\_

Solve the following absolute value equations. Show all of your work!! Then match each problem to its solution on the coloring page. Find the problem number in the picture and color it the color that is associated with that problem's solution.

1)  $|2x - 4| = 10$

2)  $|-4x + 5| = 33$

3)  $2|x - 9| = 16$

4)  $|5x - 26| - 4 = 50$

5)  $-3|x + 2| = -9$

6)  $\frac{|2x - 2|}{-7} = -10$

