

NAME: _____ DATE: _____ HOUR: _____

Equations Practice Coloring Sheet

Complete each of the following steps in order:

- 1) Solve each of the following problems for x .
- 2) Determine what color you will color the given question number based of the value of x you got.
- 3) Do not complete this step until you have solved each of the 18 questions. Color the winter scene based on what you determined from Step 1 and 2.

1) $4x - 7 = -7$	2) $2(x + 11) = 18$
3) $5x + 6 = 4x + 7$	4) $-3x + 2 = -10$
5) $x + 1 + 2x = -23$	6) $3(2x + 1) = -9$
7) $3x - 12 = 18$	8) $2x - 13 = 13$

$$9) \frac{x}{2} - 10 = -8$$

$$10) 3x - 4 = x + 24$$

$$11) 3x + 5 = -x - 15$$

$$12) \frac{x}{4} + 7 = 11$$

$$13) -5x + 13 = -12$$

$$14) \frac{x}{5} + 14 = 17$$

$$15) \frac{2x+4}{11} = 4$$

$$16) 3(x + 7) - 8 = 5x + 11$$

$$17) -4x + 10 + x = -45$$

$$18) \frac{x}{-3} + 5 = 8$$

Answer Key Coloring Guide

If your answer is:

- | | |
|--------------------------------|------------------------------|
| * -15 through -11 color Yellow | * 6 through 10 color Brown |
| * -10 through -7 color Blue | * 11 through 14 color Green |
| * -6 through -4 color Orange | * 15 through 18 color Purple |
| * -3 through 0 color Red | * 19 through 20 color Pink |
| * 1 through 5 color Black | |

Note: The numbers in the picture below represent the question numbers for #1 – 18 and not the actual solution you got for each question. Make sure to determine what color to use based on the answer per each question and the coloring guide above. (Ex: if for #1 you got $x = 7$, then where you see 1 in the picture below you would color it Brown)

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