



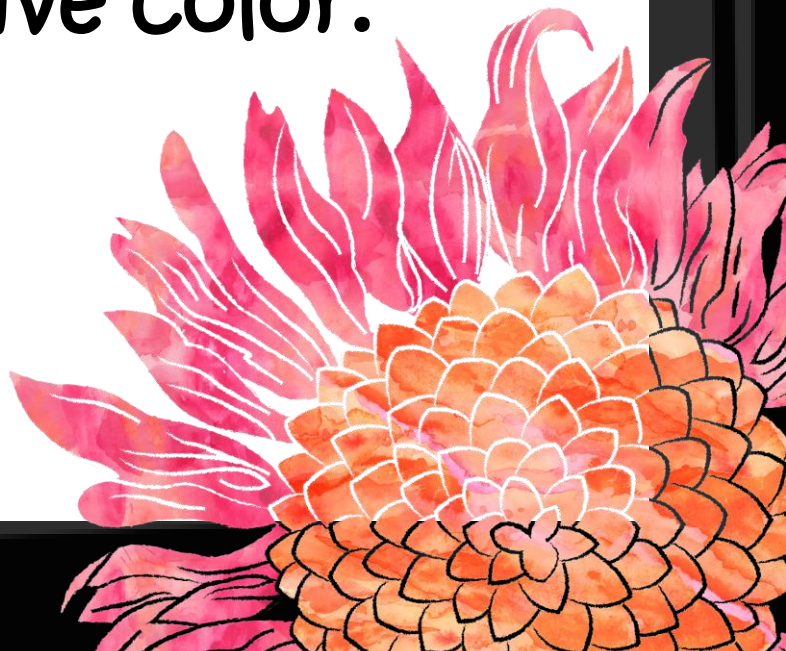
Solving Quadratic Equations Color Sheets





How to use this resource

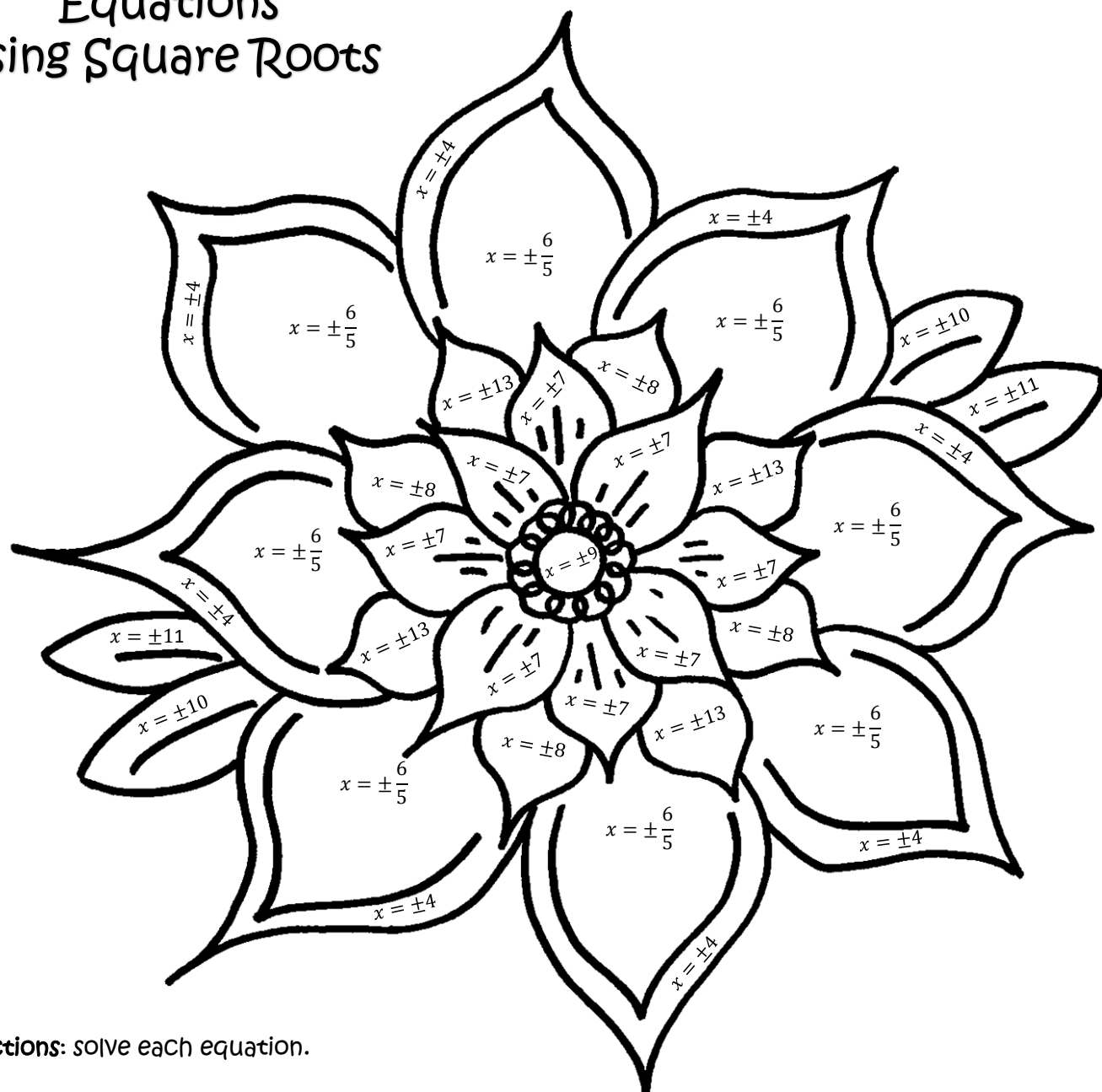
1. Print out the color sheets.
2. Solve each equation.
3. Locate the answer in the picture and color the piece in with the respective color.



Solving Quadratic Equations using Square Roots

Name: _____

Date: _____



Directions: solve each equation.

Purple: $25x^2 + 9 = 45$

Yellow: $x^2 + 2 = 83$

Light Blue: $x^2 = 49$

Pink: $3x^2 = 507$

Orange: $2x^2 = 128$

Red: $x^2 = 16$

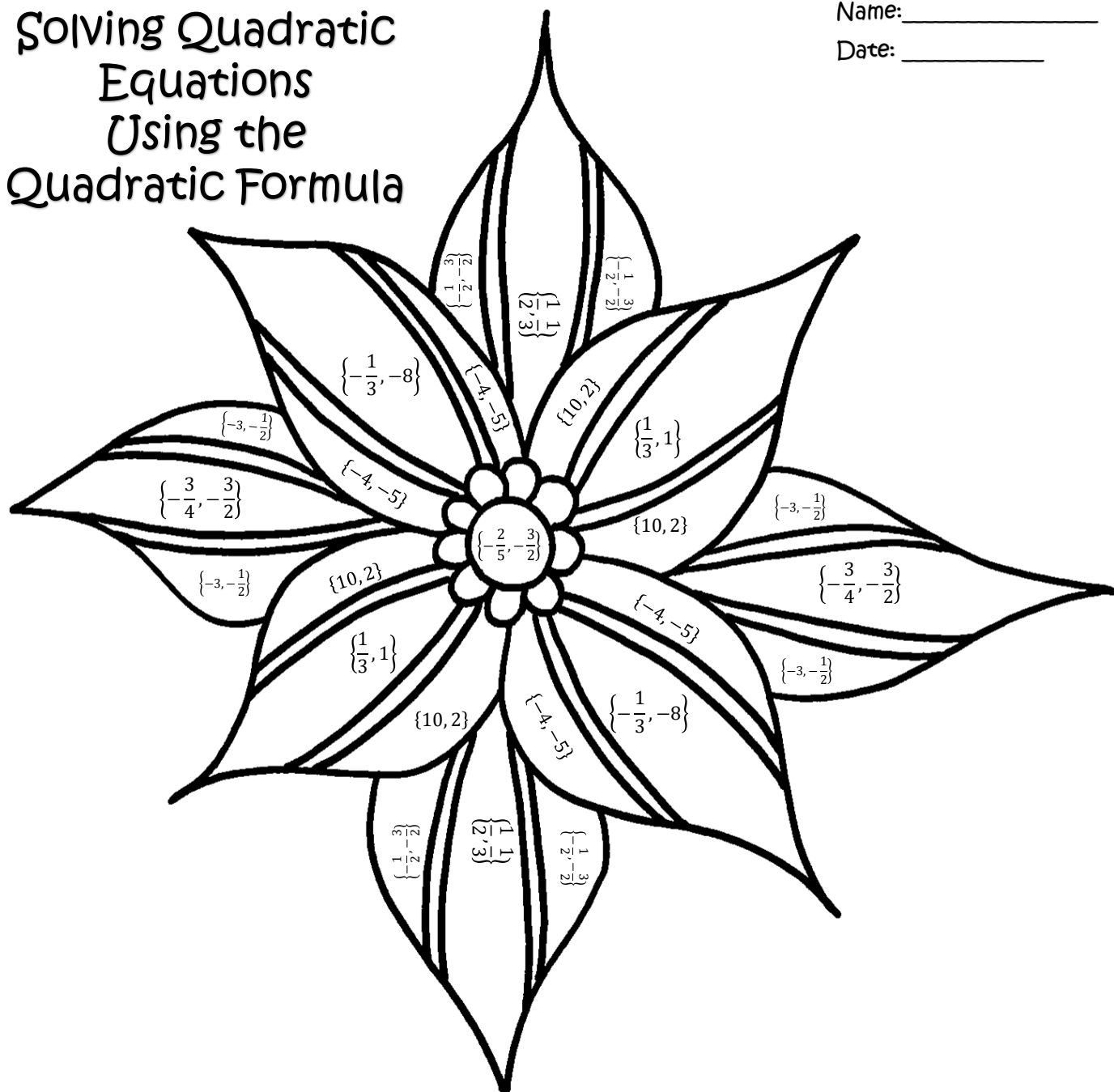
Light Green: $x^2 - 40 = 60$

Dark Green: $4x^2 + 16 = 500$

Solving Quadratic Equations Using the Quadratic Formula

Name: _____

Date: _____



Directions: Use the quadratic formula to solve each equation.

Lt. Blue: $3x^2 + 25x + 8 = 0$

Orange: $x^2 + 9x + 20 = 0$

Pink: $3x^2 - 4x + 1 = 0$

Red: $x^2 - 12x + 20 = 0$

Yellow: $8x^2 + 18x + 9 = 0$

Lt Green: $6x^2 - 5x + 1 = 0$

Yellow: $10x^2 + 19x + 6 = 0$

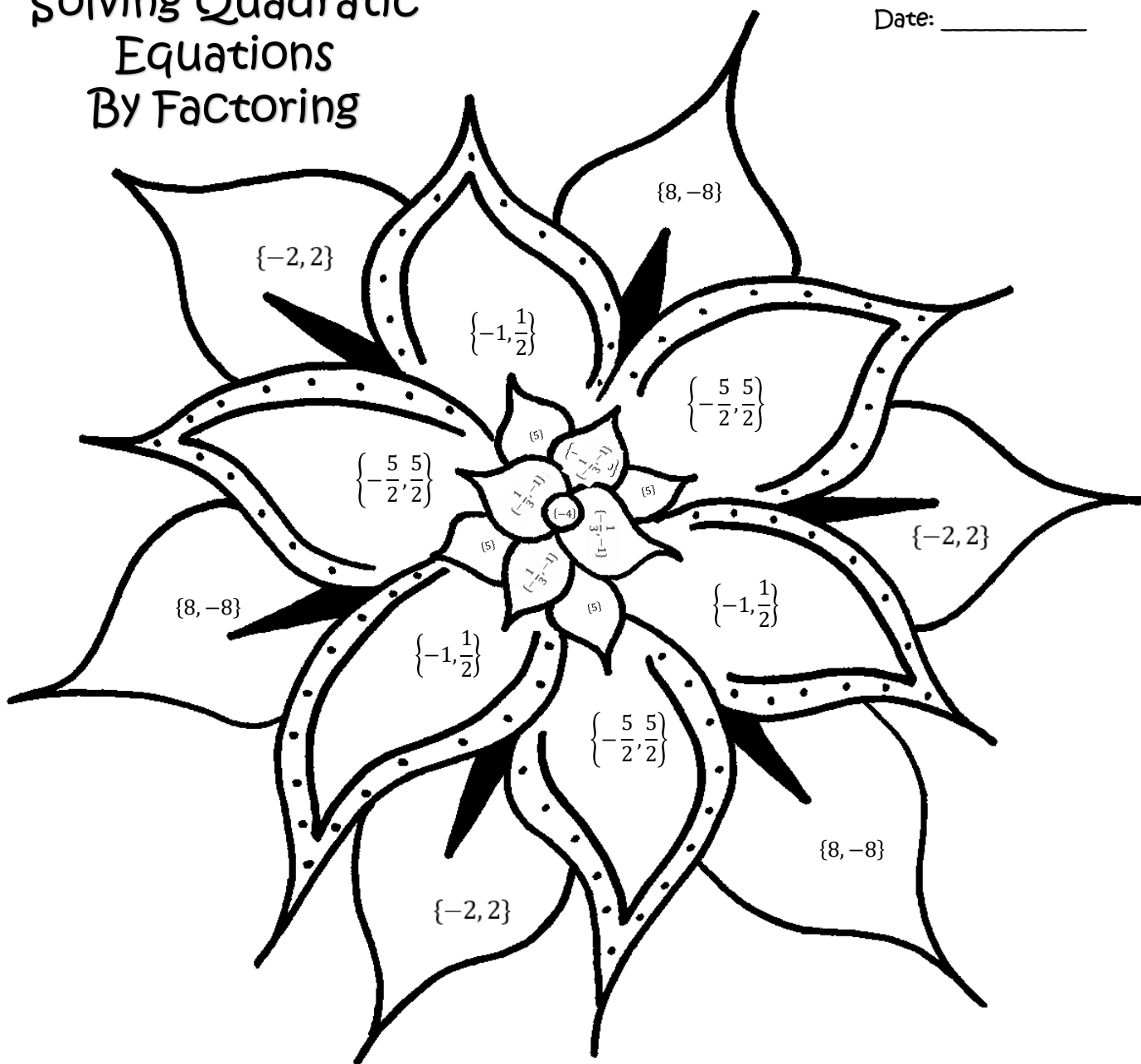
Blue: $2x^2 + 7x + 3 = 0$

Purple: $4x^2 + 8x + 3 = 0$

Solving Quadratic Equations By Factoring

Name: _____

Date: _____



Directions: Factor each trinomial and find its solution set.

Pink: $x^2 - 64 = 0$

Lt. Green: $4x^2 - 16 = 0$

Lt. Blue: $4x^2 - 25 = 0$

Red: $3x^2 + 4x + 1 = 0$

Yellow: $4x^2 + 32x + 64 = 0$

Purple: $2x^2 + x - 1 = 0$

Orange: $x^2 - 10x + 25 = 0$



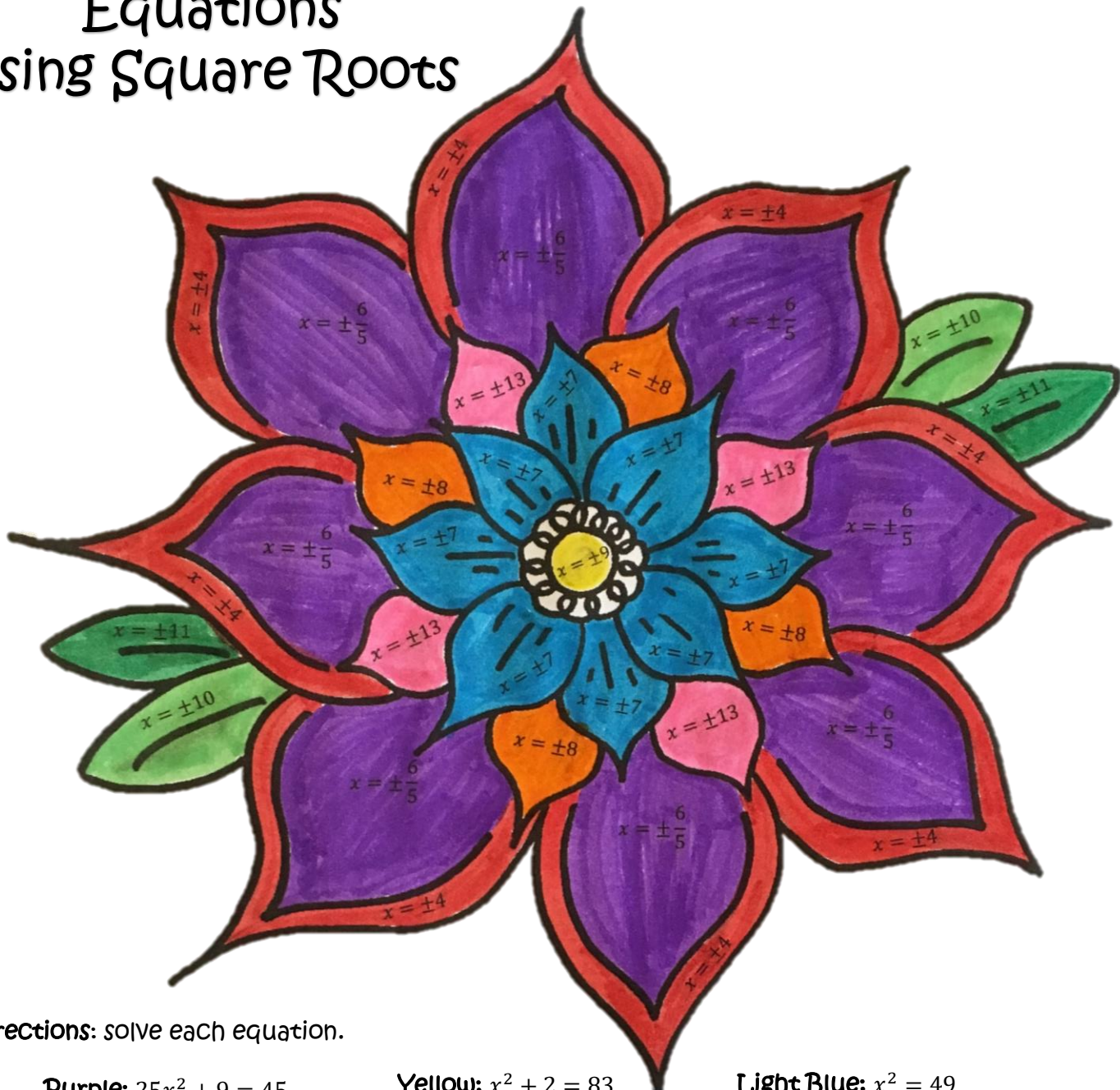
Answer Keys



Solving Quadratic Equations using Square Roots

Name: _____

Date: _____



Directions: solve each equation.

Purple: $25x^2 + 9 = 45$

$x = \pm \frac{6}{5}$

Yellow: $x^2 + 2 = 83$

$x = \pm 9$

Light Blue: $x^2 = 49$

$x = \pm 7$

Pink: $3x^2 = 507$

$x = \pm 13$

Orange: $2x^2 = 128$

$x = \pm 8$

Red: $x^2 = 16$

$x = \pm 4$

Light Green: $x^2 - 40 = 60$

$x = \pm 10$

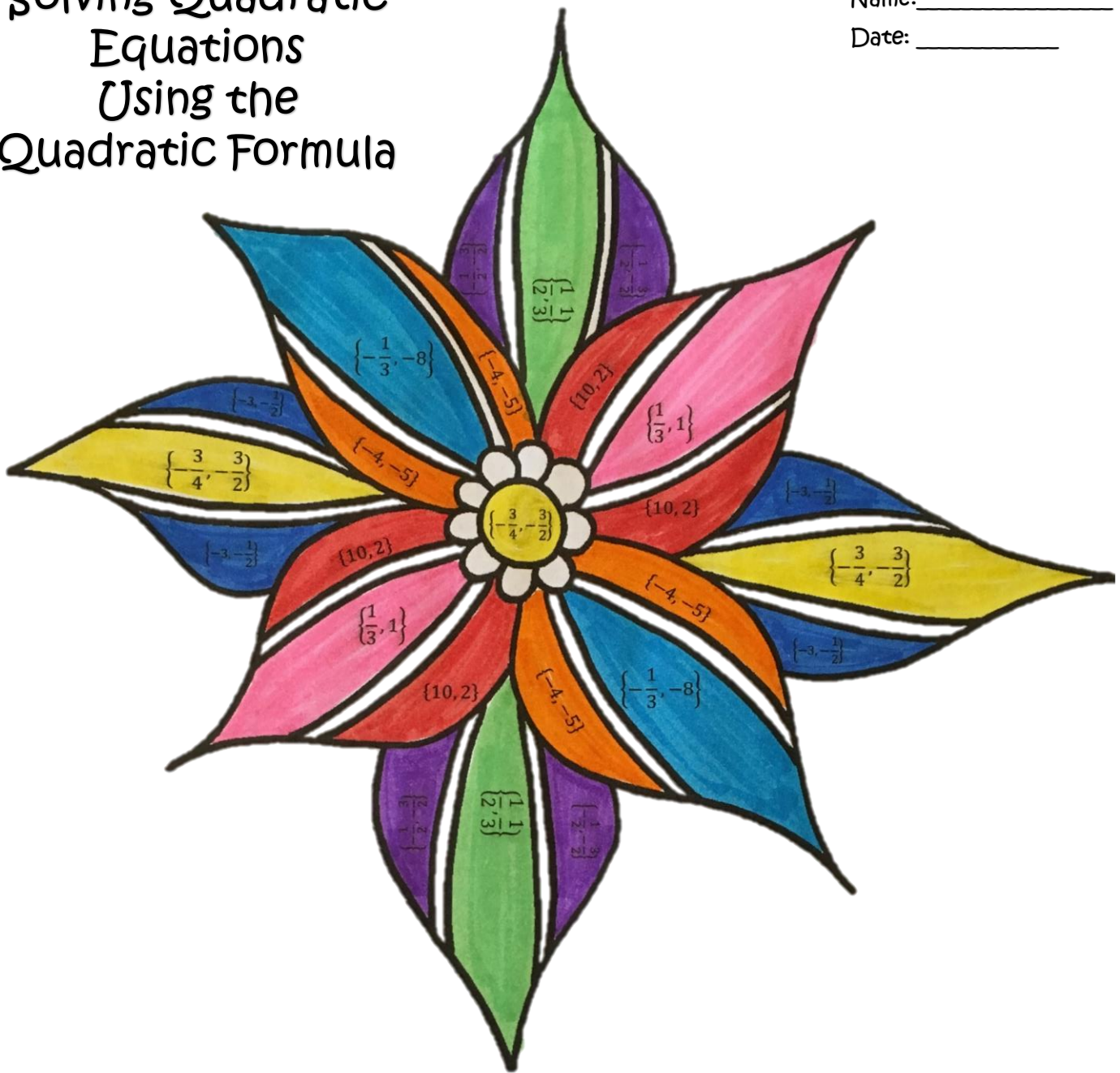
Dark Green: $4x^2 + 16 = 500$

$x = \pm 11$

Solving Quadratic Equations Using the Quadratic Formula

Name: _____

Date: _____



Directions: Use the quadratic formula to solve each equation.

Lt. Blue: $3x^2 + 25x + 8 = 0$
 $\left\{-\frac{1}{3}, -8\right\}$

Orange: $x^2 + 9x + 20 = 0$
 $\{-4, -5\}$

Pink: $3x^2 - 4x + 1 = 0$
 $\left\{\frac{1}{3}, 1\right\}$

Red: $x^2 - 12x + 20 = 0$
 $\{10, 2\}$

Yellow: $8x^2 + 18x + 9 = 0$
 $\left\{-\frac{3}{4}, -\frac{3}{2}\right\}$

Lt Green: $6x^2 - 5x + 1 = 0$
 $\left\{\frac{1}{2}, \frac{1}{3}\right\}$

Yellow: $10x^2 + 19x + 6 = 0$
 $\left\{-\frac{2}{5}, -\frac{3}{2}\right\}$

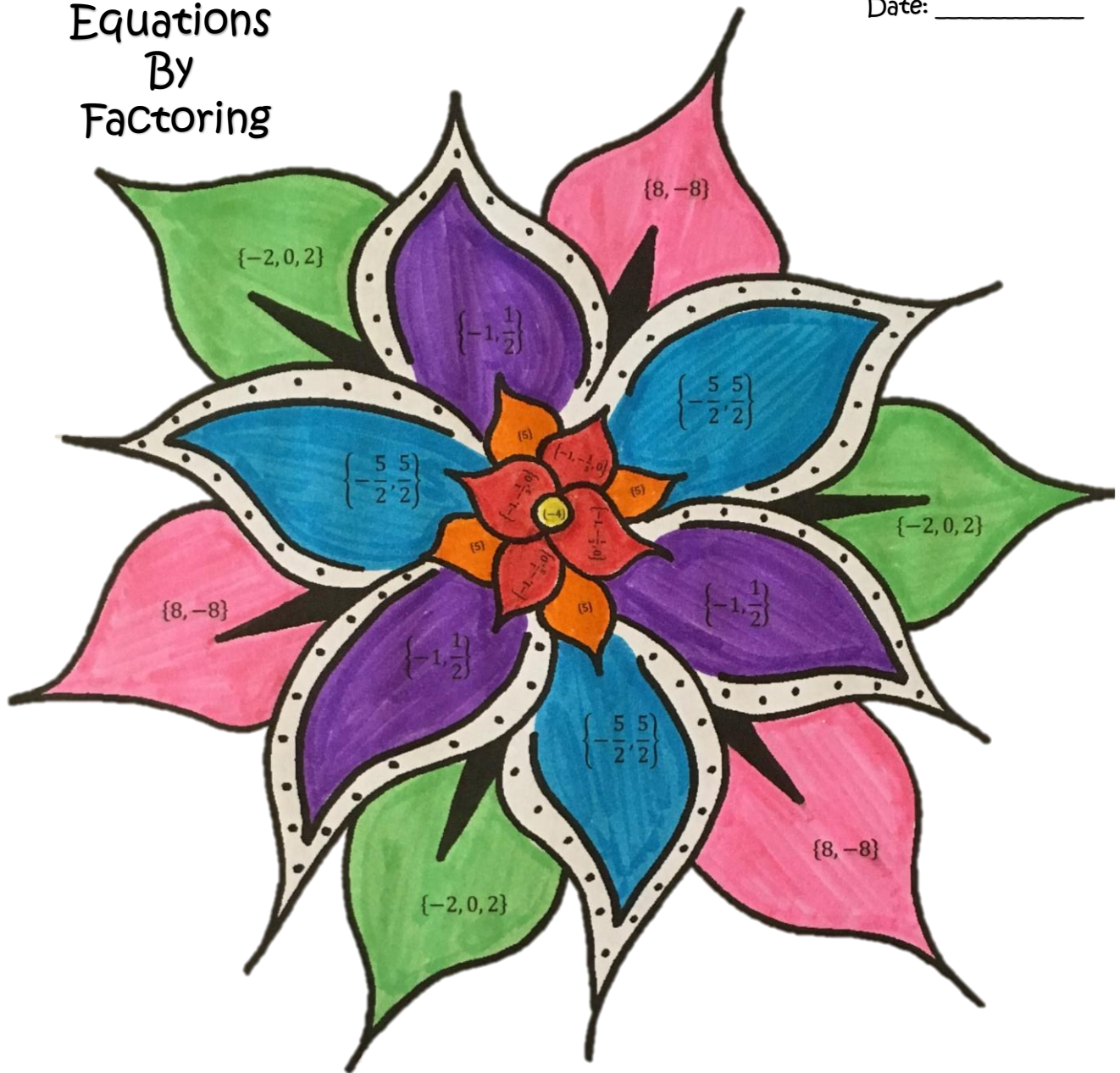
Blue: $2x^2 + 7x + 3 = 0$
 $\left\{-3, -\frac{1}{2}\right\}$

Purple: $4x^2 + 8x + 3 = 0$
 $\left\{-\frac{1}{2}, -\frac{3}{2}\right\}$

Solving Quadratic Equations By Factoring

Name: _____

Date: _____



Directions: Factor each trinomial and find its solution set.

Pink: $x^2 - 64 = 0$
 $\{8, -8\}$

Lt. Green: $4x^3 - 16x = 0$
 $\{-2, 0, 2\}$

Lt. Blue: $4x^2 - 25 = 0$
 $\left\{-\frac{5}{2}, \frac{5}{2}\right\}$

Red: $3x^3 + 4x^2 + x = 0$
 $\left\{-1, -\frac{1}{3}, 0\right\}$

Yellow: $4x^2 + 32x + 64 = 0$
 $\{-4\}$

Purple: $2x^2 + x - 1 = 0$
 $\left\{-1, \frac{1}{2}\right\}$

Orange: $x^2 - 10x + 25 = 0$
 $\{5\}$



Thank you
for
Purchasing!

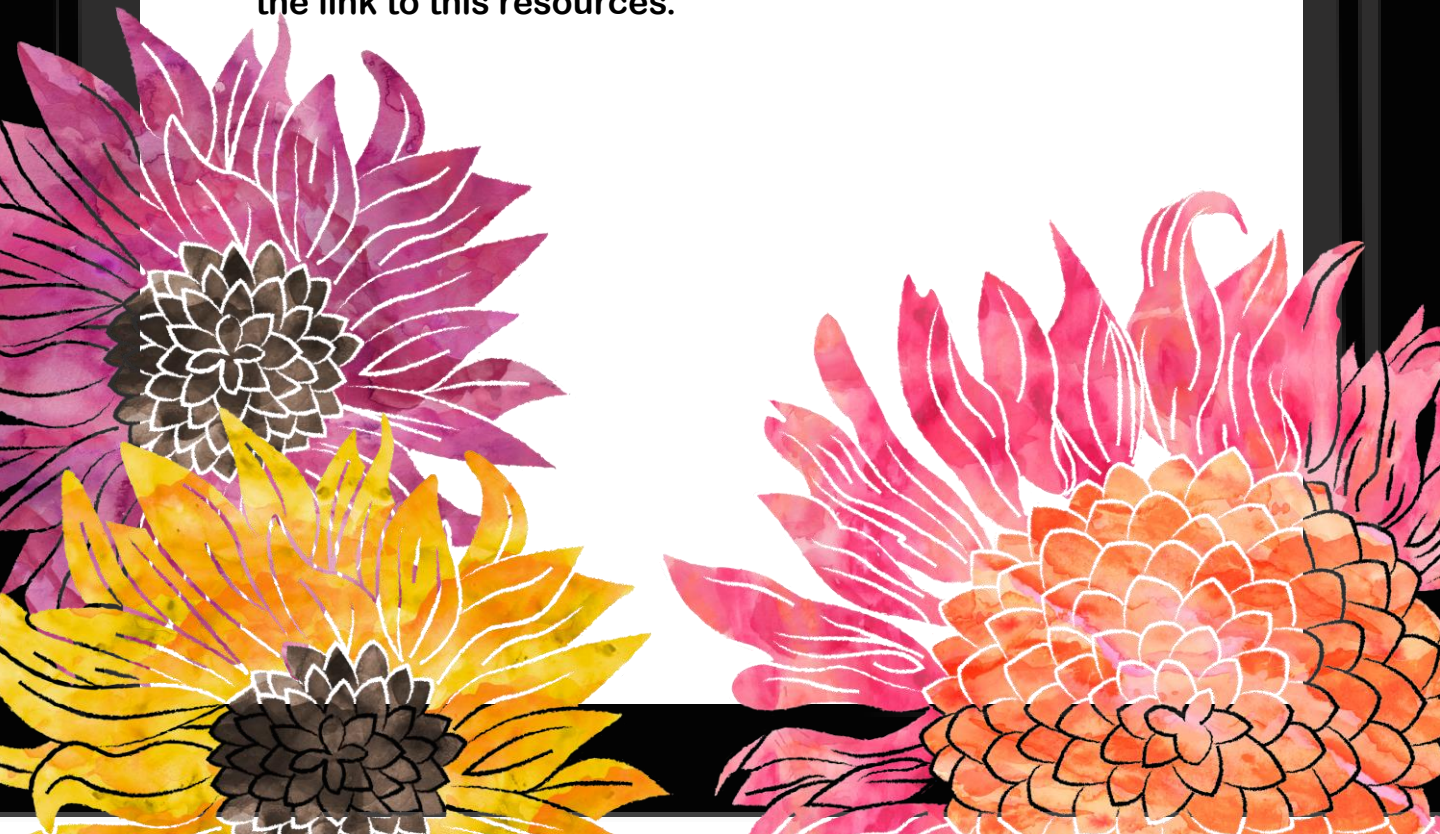


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