



Name: _____

Date: _____

Quadratics Complex Solutions

Solve for x. Show your work.

1. $3x^2 + 15 = 0$

2. $2x^2 + 5 = 0$

3. $4x^2 + 15 = 0$

4. $3x^2 + 17 = 0$

5. $3x^2 + 17 = 0$

6. $1x^2 + 6 = 0$

7. $2x^2 + 18 = 0$

8. $2x^2 + 9 = 0$



Quadratics Complex Solutions – Answer Key

1. $3x^2 + 15 = 0$

$x = \pm \sqrt{5}i$

2. $2x^2 + 5 = 0$

$x = \pm \sqrt{\frac{5}{2}}i$

3. $4x^2 + 15 = 0$

$x = \pm \sqrt{\frac{15}{4}}i$

4. $3x^2 + 17 = 0$

$x = \pm \sqrt{\frac{17}{3}}i$

5. $3x^2 + 17 = 0$

$x = \pm \sqrt{\frac{17}{3}}i$

6. $1x^2 + 6 = 0$

$x = \pm \sqrt{6}i$

7. $2x^2 + 18 = 0$

$x = \pm 3i$

8. $2x^2 + 9 = 0$

$x = \pm \sqrt{\frac{9}{2}}i$