



Math Virtual Learning

College Algebra

April 14, 2020



College Algebra
Lesson: April 14, 2020

Objective/Learning Target: Students will be able to solve quadratic equations by factoring.



Warm Up Activity:

Click on the link below and practice factoring

[Factoring Practice](#)



Lesson:

Click on the links below and follow along with the lessons. We encourage you to have your own sheet of paper out and solve the guided practice problems with the teacher in the video.

[Solve Quadratics by Factoring - stop at 7:40](#)
[KA -- Factoring & Solving Simple Trinomials](#)

Practice: Solve the problems on your own paper.

$$1) x^2 + 9x + 18 = 0$$

$$5) 6x^2 + 17x + 5 = 0$$

$$2) x^2 + 8x + 7 = 0$$

$$6) 2x^2 + 3x = 2$$

$$3) x^2 - 2x = 15$$

$$7) 4x^2 - 4x = -1$$

$$4) x^2 + 4x = 45$$

$$8) 9x^2 = 49$$

Practice: Answers to Practice Problems

$$1) x = -3, -6$$

$$2) x = -1, -7$$

$$3) x = -3, 5$$

$$4) x = -9, 5$$

$$5) x = -\frac{5}{2}, -\frac{1}{3}$$

$$6) x = -2, \frac{1}{2}$$

$$7) x = \frac{1}{2}, \frac{1}{2}$$

$$8) x = -\frac{7}{3}, \frac{7}{3}$$



Additional Practice:

If you would like more equations to practice, here is a link to extra practice and examples.

[Work Problem 1 -- scroll down for answers](#)

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