

Lesson 2.4: Quadratic Equations

Complete the *Practice* below. When you have completed all the questions for *Lesson 2.4 Practice – VI* with your best work, mark your work by first comparing your answers to the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.



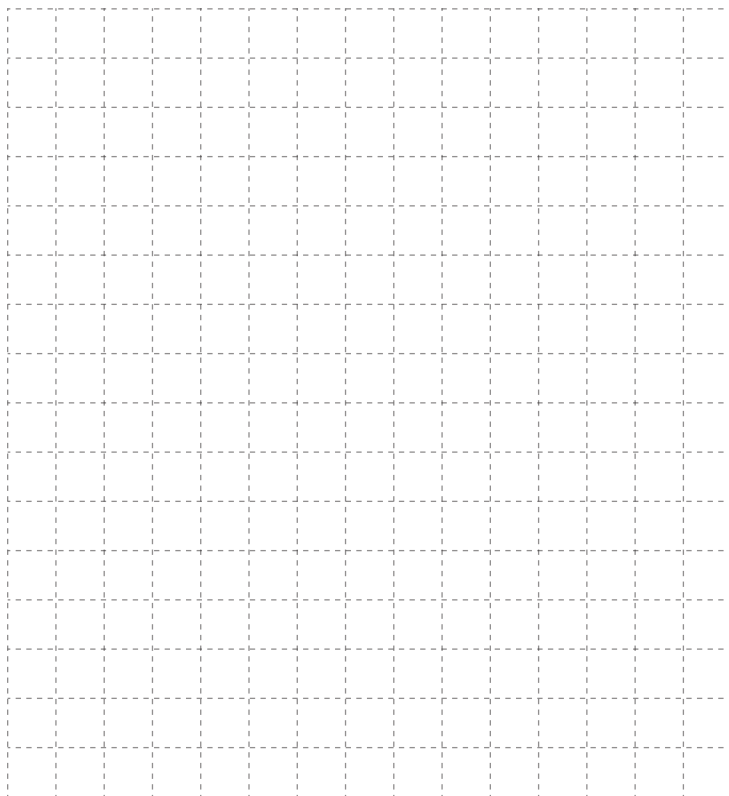
Practice – VI

1. Solve each equation by graphing the corresponding function.

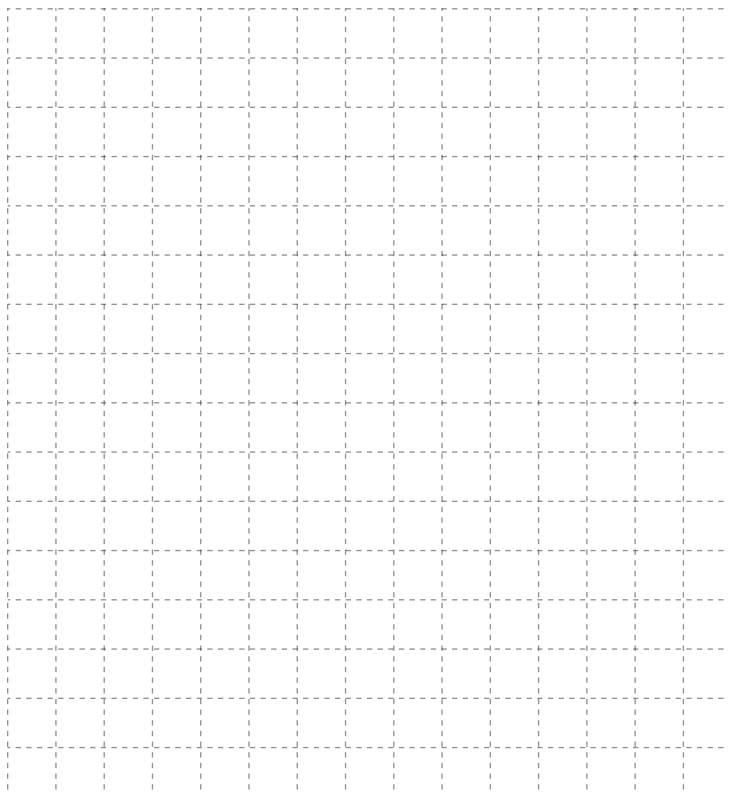
a. $x^2 - 8 = -2x$



b. $-3q^2 - 8q + 11 = 0$



c. $n^2 - 4n = -4$



2. Solve each equation by factoring.

a. $2s^2 + 12s + 18 = 0$

b. $\frac{1}{4}x^2 + \frac{5}{4}x = -1$

c. $2z^2 - 15 = -7z$

3. Solve each equation using square roots. Leave your answers as exact values.

a. $-w^2 + 3 = -2$

b. $(x + 3)^2 = 7$

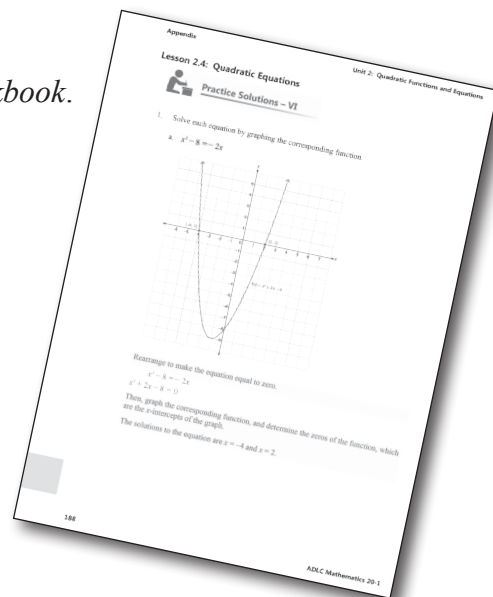
c. $4(r + 6)^2 = 3$

Mark your work for *Lesson 2.4 Practice – VI* using the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.

Transfer your self-assessed mark to the front cover of the *Workbook*.

My self-assessed mark on *Lesson 2.4 Practice – VI* is _____.

Reflect on your understanding of the concepts addressed in the *Practice* exercises in the table provided.



Question Number	Got it!	Almost there...	Need to retry or ask for help.	Similar questions from <i>Pre-Calculus 11</i>
1				p. 125 #3, 4
2				p. 230 #7ace, 8bdf, 9ace, 10bdf
3				p. 240 #4c, 5ace, 6bdf, 7ace

Please return to *Lesson 2.4* to continue your work in *Unit 2: Quadratic Functions and Equations*.