

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu



wtf this great ebook for free?!

#Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

Name _____ Class _____ Date _____

Extra Practice (continued)

Chapter 4

Lesson 4-5

Solve each equation by factoring, by taking square roots, or by graphing. When necessary, round your answer to the nearest hundredths.

- | | | |
|---------------------------------------|-------------------------------------|------------------------------------|
| 35. $x^2 + 4x - 1 = 0$
0.24, -4.24 | 36. $6x^2 - 100 = 0$
4.08, -4.08 | 37. $x^2 = -2x + 1$
0.61, -2.61 |
| 38. $x^2 - 9 = 0$
3, -3 | 39. $2x^2 + 18 = 20$
-1.5, 1.5 | 40. $x^2 - 20 = 0$
4.47, -4.47 |
| 41. $x^2 + 4x = 0$
0, -4 | 42. $x^2 + 20 = 0$
-4.47, 4.47 | 43. $x^2 + 8x = -16$
-4, -4 |

44. Hal's sister is 5 years older than Hal. The product of their ages is 456. How old are Hal and his sister? 19 years old; 24 years old
45. A toy rocket is fired upward from the ground. The relation between its height h , in feet, and the time t from launch, in seconds, can be described by the equation $h = -16t^2 + 64t$. How long does the rocket stay more than 60 feet above the ground? 2 s

46. The expression $P(x) = 2500x - 2x^2$ describes the profit of a company that customizes bulldozers when it customizes x bulldozers in a month.
- How many bulldozers per month must the company customize to make the maximum possible profit? What is the maximum profit? 625 bulldozers; \$781,250
 - Describe a reasonable domain and range for the function $P(x)$, $x \geq 0$, $P(x) \geq 5,781,250$.
 - For what number of bulldozers per month is the profit at least \$750,000? $500 \leq x \leq 750$

47. Flor is designing a kite with two perpendicular creases that are 20 inches and 24 inches long, as shown in the figure. How long should \overline{AB} be so that $\overline{AC} \perp \overline{BC}$ and $\overline{AD} \perp \overline{DC}$? 8 in.



48. The lengths of the sides of a right triangle are x , $x + 4$, and $x + 8$ inches. What is the value of x ? What is the length of the hypotenuse of the triangle? 12, 20 in.

Lessons 4-6 and 4-7

Solve each equation by completing the square or using the Quadratic Formula.

- | | | |
|-------------------------------|--|--|
| 49. $x^2 + 5x + 8 = 0$ -1, -8 | 50. $2x^2 - 5x + 1 = 0$ $\frac{1}{2}, \frac{1}{2}$ | 51. $x^2 - 7x = 0$ 0, 7 |
| 52. $x^2 + 4x + 4 = 0$ -2 | 53. $x^2 - 7 = 0$ $\pm\sqrt{7}$ | 54. $x^2 + 8x - 17 = 0$ $-4 \pm \sqrt{33}$ |

[Download PDF version of :](#)
Pearson Education Algebra 2 Chapter Practice Answers