

Download File PDF Prentice Hall Geometry Extra Practice Chapter 10 Answers

#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

Evaluate the discriminant of each equation. Tell how many real solutions each equation has.

55. $x^2 + 4x = 17$ 80; 2 56. $2x^2 + x = -1$ -7; 0 57. $x^2 - 4x + 5 = 0$ -4; 0

58. $x^2 + 5x = 0$ 25; 2 59. $x^2 - 19 = 1$ 80; 2 60. $3x^2 = 8x - 4$ 16; 2

61. $-2x^2 + 1 = 7x$ 57; 2 62. $4x^2 + 4x = -1$ 0; 1 63. $x^2 + 16 = 0$ -64; 0

64. The height y of a parabolic arch is given by $y = -\frac{1}{20}x^2 + 40$, where x is the horizontal distance from the center of the base of the arch. All distances are in feet.

a. What is the highest point on the arch? 40 ft.

b. How wide is the arch at the base to the nearest tenth of a foot? 55.6 ft.

65. An archer's arrow follows a parabolic path. The path of the arrow can be described by the equation $y = -0.002x^2 + 2x + 5$.

a. Describe the meaning of the y -intercept of the graph of the equation. The archer releases the arrow 5 ft above the ground.

b. What is the horizontal distance the arrow travels before it hits the ground? Round your answer to the nearest foot. 432 ft.

Lesson 4-8

Simplify each number by using the imaginary number i .

66. $\sqrt{-9} = \pm 3i$ 67. $\sqrt{-36} = \pm 6i$ 68. $\sqrt{-81} = \pm 9i$

69. $\sqrt{-25} = \pm 5i$ 70. $\sqrt{-175} = \pm 5\sqrt{7}i$ 71. $\sqrt{-117} = \pm 3\sqrt{13}i$

Simplify each expression.

72. $(3 - 0) + (5 - 2i)$ 73. $(4 + 2i)(1 - 0)$ 74. $(4 + 2i) - (3 + 5i)$

75. $(8 - 3i)(6 + 9i)$ 76. $(2 + 5i) - (-2i)$ 77. $(-2 - 3i)(7 - 0)$

Solve each equation. Check your answers.

78. $x^2 + 16 = 0$ 79. $3x^2 = x - 9$ 80. $x^2 + 10 = 4x - 2$

Lesson 4-9

Solve each system.

81. $\begin{cases} y = x^2 - 11x + 24 \\ x = 3 \end{cases}$ 82. $\begin{cases} y = x^2 + 2x - 8 \\ y = x + 4 \end{cases}$ 83. $\begin{cases} y = 2x^2 + 9x - 5 \\ y = x + 5 \end{cases}$

84. $\begin{cases} y = x^2 - 3x - 7 \\ y = -x^2 - x + 5 \end{cases}$ 85. $\begin{cases} y = 2x^2 + x + 4 \\ y = -x^2 - x + 9 \end{cases}$ 86. $\begin{cases} y = x^2 + 10x - 1 \\ y = \frac{1}{2}x^2 + x - 6 \end{cases}$

87. $\begin{cases} y = x^2 - 2x - 8 \\ y = x + 4 \end{cases}$ 88. $\begin{cases} y = x^2 + 10x - 1 \\ y = \frac{1}{2}x^2 + x - 6 \end{cases}$

Prentice Hall Algebra 1 • Extra Practice
Copyright © by Pearson Education, Inc., or its affiliates. All Rights Reserved.

[Download PDF version of :](#)
Prentice Hall Geometry Extra Practice Chapter 10 Answers