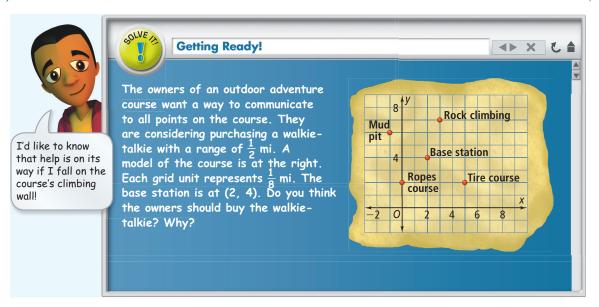
12-5 Solve It!



12-5 Lesson Quiz

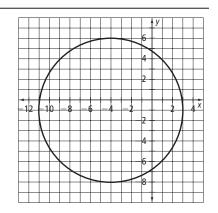
- **1.** Write the standard equation of the circle with center (5, -4) and radius 3.
- **2.** What is the equation of the circle with center (1, -6) that passes through the point (-4, 3)?
- **3.** Do you UNDERSTAND? What is the center and radius of the circle with equation $(x + 4)^2 + (y + 1)^2 = 49$? Graph the circle.

Answers

Solve It!

Yes; the base station is located less than $\frac{1}{2}$ mi from all of the obstacles.

Lesson Quiz 1. $(x - 5)^2 + (y + 4)^2 = 9$ **2.** $(x - 1)^2 + (y + 6)^2 = 106$ **3.** center (-4, -1); radius 7



Prentice Hall Geometry • Solve It/Lesson Quiz on Transparencies Copyright © by Pearson Education, Inc., or its affiliates. All Rights Reserved.