Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pythagorean Theorem & Converse

Warm-up: Is it a right triangle? Show your work.



Is $\overbar{AB}$ tangent to Circle O? Explain

1. 2.

3.

4. Point B is 29 feet from the center and 20 feet from Point A. Given that $\overbar{AB}$ is tangent to the circle, find the radius.

5. Point B is 25 feet from Point A and Point A is 32 feet from the center. Given that $\overbar{AB}$ is tangent to the circle, find the distance between Point B and the center.



Exit Ticket: