Name _____   Date _____

Rectangular and Polar Forms of Complex Numbers -Independent Practice Worksheet

Complete all the problems. Make sure to draw pictures to help you solve the problems.

1. **Convert the following rectangular coordinates to polar form:**

   (8, 6)

2. **Convert the following rectangular coordinates to polar form:**

   (4, 9)

3. **Convert the following rectangular coordinates to polar form:**

   (11, 8)

4. **Convert the following rectangular coordinates to polar form:**

   (9, 10)

5. **Convert the following rectangular coordinates to polar form:**

   (12, 17)

6. **Convert the following polar coordinates to rectangular form.**

   (5, 30°)

7. **Convert the following polar coordinates to rectangular form.**

   (3, 55°)

8. **Convert the following polar coordinates to rectangular form.**

   (2, 20°)

9. **Convert the following polar coordinates to rectangular form.**

   (5, 35°)

10. **Convert the following polar coordinates to rectangular form.**

    (6, 40°)