

Name _____

Date _____

Rectangular and Polar Forms of Complex Numbers- Matching Worksheet

Write the letter of the answer that matches the problem.

- | | | | |
|-------|---|----|-----------------|
| _____ | 1. Convert the following rectangular coordinates to polar form:
(16, 9) | a. | (3.06, 2.57) |
| _____ | 2. Convert the following rectangular coordinates to polar form:
(7, 18) | b. | (21.10, 84.56°) |
| _____ | 3. Convert the following rectangular coordinates to polar form:
(4, 14) | c. | (1.29, 4.83) |
| _____ | 4. Convert the following rectangular coordinates to polar form:
(2, 21) | d. | (2.59, 1.50) |
| _____ | 5. Convert the following rectangular coordinates to polar form:
(6, 18) | e. | (18.97, 71.56°) |
| _____ | 6. Convert the following polar coordinates to rectangular form.
(4, 40°) | f. | (18.38, 29.36°) |
| _____ | 7. Convert the following polar coordinates to rectangular form.
(6, 25°) | g. | (19.31, 68.75°) |
| _____ | 8. Convert the following polar coordinates to rectangular form.
(3, 30°) | h. | (5.44, 2.54) |
| _____ | 9. Convert the following polar coordinates to rectangular form.
(5, 75°) | i. | (14.56, 74.05°) |

