Lesson 9.1 Practice: Polar Coordinates

School Launch · Trigonometry · Unit 9: Polar Coordinates and Vectors · Worksheet A

Scientific calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Plot $(4, 225^\circ)$ and give another polar name for it with negative r and an angle in $[0^\circ, 360^\circ)$. EASY

2. Plot $(7, 180^\circ)$ and give another polar name for it with negative r and an angle in $[0^\circ, 360^\circ)$. EASY

3. Plot $(4, 60^\circ)$ and give another polar name for it with negative r and an angle in $[0^\circ, 360^\circ)$. EASY

4. Plot $(5, 180^\circ)$ and give another polar name for it with negative r and an angle in $[0^\circ, 360^\circ)$. MEDIUM

5. Plot $(4, 90^\circ)$ and give another polar name for it with negative r and an angle in $[0^\circ, 360^\circ)$. MEDIUM

6. Plot $(3, 225^\circ)$ and give another polar name for it with negative r and an angle in $[0^\circ, 360^\circ)$. MEDIUM

7. Plot $(7, 60^\circ)$ and give another polar name for it with negative r and an angle in $[0^\circ, 360^\circ)$. MEDIUM

8. Plot $(5, 225^\circ)$ and give another polar name for it with negative r and an angle in $[0^\circ, 360^\circ)$. HARD

9. Plot $(6, 330^\circ)$ and give another polar name for it with negative r and an angle in $[0^\circ, 360^\circ)$. HARD

10. Plot $(8, 330^\circ)$ and give another polar name for it with negative r and an angle in $[0^\circ, 360^\circ)$. HARD