## The Plot of a Complex Number z, Its Rectangular Form, Its Polar Form and More



1. Write a pair of polar coordinates  $(r, \theta)$  and a pair of rectangular coordinates (x, y) for the points A through I. *Give exact values. Report*  $\theta$  *in radians please.* Utilize the unit circle for efficiency. No trig function should be in your answer.



(9) Only one polar coordinate (of your choice) need be reported.

(2) **2.** Express in the polar coordinates. There are many correct answers. Only one is required. <u>*Give exact values*</u>. Report  $\theta$  in radians please. Utilize the unit circle for efficiency. No trig function should be in your answer.

