

## Polar Form of Complex Numbers

Get in degree mode.

Plot the following on the complex plane.  
Find  $r$  and  $\theta$  (to nearest  $0.01^\circ$ ).

1.  $z_1 = 3 + 4i$

$$r = \boxed{\phantom{000}}, \theta = \boxed{\phantom{000}}$$

$$z_2 = -3 - 4i$$

$$r = \boxed{\phantom{000}}, \theta = \boxed{\phantom{000}}$$

2.  $z_3 = (3 + 4i) - i$

$$= \boxed{\phantom{000}} + \boxed{\phantom{000}}i$$

$$r = \boxed{\phantom{000}}, \theta = \boxed{\phantom{000}}$$

$$z_4 = (-3 - 4i) - i$$

$$= \boxed{\phantom{000}} + \boxed{\phantom{000}}i$$

$$r = \boxed{\phantom{000}}, \theta = \boxed{\phantom{000}}$$

