

Polar Form of Complex Numbers

Get in degree mode.

Plot the following on the complex plane.
Find r and θ (to nearest 0.01°).

1. $z_1 = 3 + 4i$

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

$$z_2 = -3 - 4i$$

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

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

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

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

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

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

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

