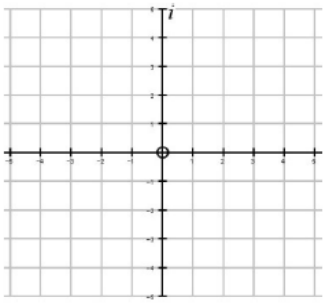
FP1: Modulus and Argument

Show each complex number on an Argand Diagram and find its modulus and argument

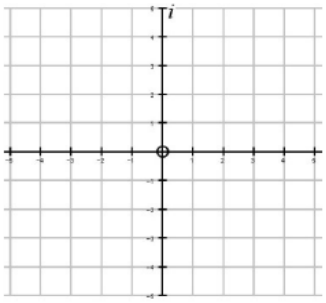
a) $z_1 = 2 + 5i$



r = _____

θ = _____

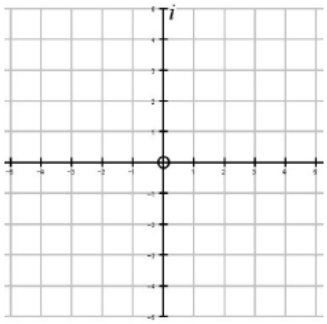
b) $z_2 = -3 - 2i$



r = _____

θ = _____

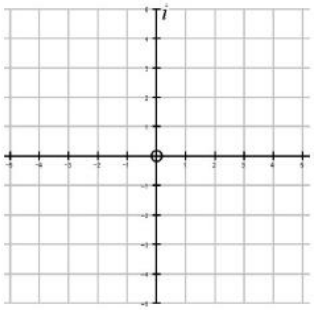
c) $z_3 = -4 + 3i$



r = _____

θ = _____

d) $z_4 = 1 - i$



r = _____

θ = _____

*(r, θ) are the **polar** coordinates of the complex number. In a polar system you have a direction to travel and a distance to travel in that direction.*