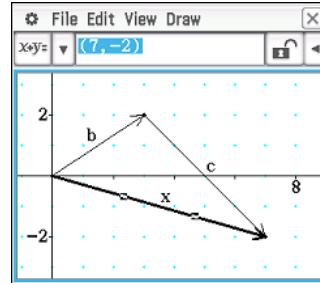


Activity 39 Picturing complex numbers

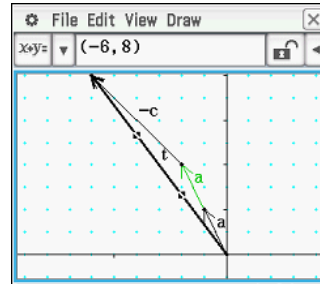
1.

a) $z = 7 - 2i$



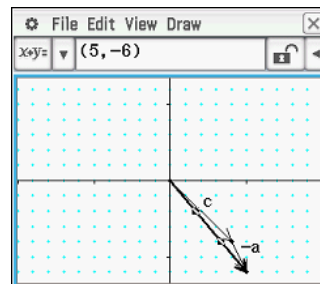
$$\mathbf{x} = [7, -2]$$

b) $z = -6 + 8i$



$$\mathbf{x} = [-6, 8]$$

c) $z = w - u$
 $= 5 - 6i$



$$\mathbf{x} = \mathbf{c} + (-\mathbf{a}) = [5, -6]$$

2. Adding real parts is the same as adding the **i**-components and adding imaginary parts is the same as adding the **j**-components.

3.

