

# (Módulo 10 Cuarto Medio)

I.-

$$a) i^{12} = i^{4 \cdot 3 + 0} = i^0 = 1$$

$$12 : 4 = 3$$

0 //

$$b) i^{33} = i^{4 \cdot 8 + 1} = i^1 = i$$

$$33 : 4 = 8$$

1 //

$$c) i^{-9} = \frac{1}{i^9} = \frac{1}{i^{4 \cdot 2 + 1}} = \frac{1}{i^1} = \frac{1}{i}$$

$$9 : 4 = 2$$

1 //

$$d) i^{123} = i^{4 \cdot 30 + 3} = i^3 = -i$$

$$123 : 4 = 30$$

03 //