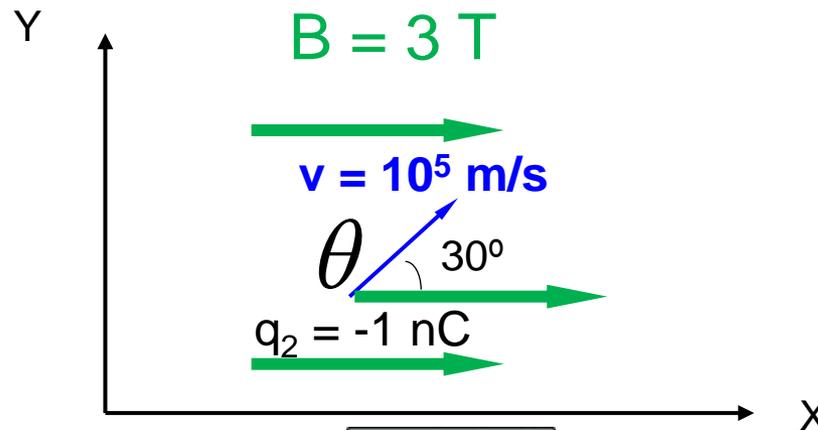
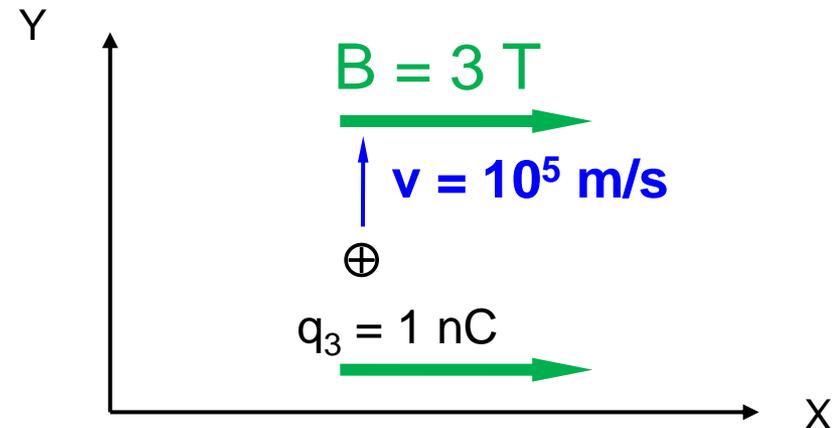
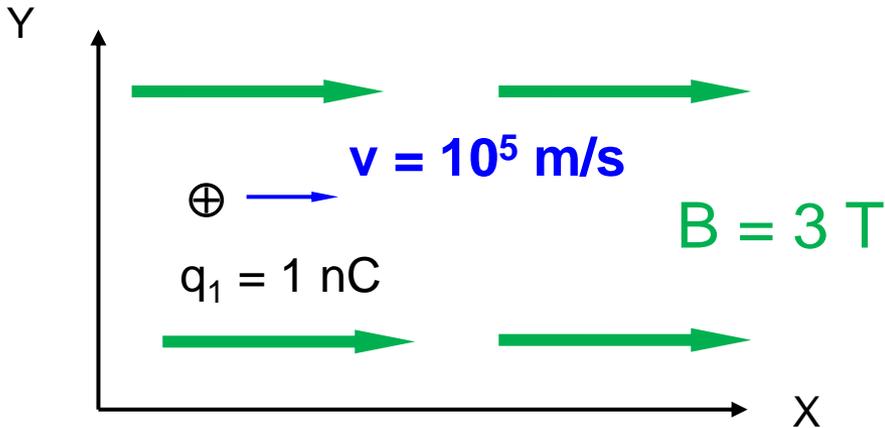
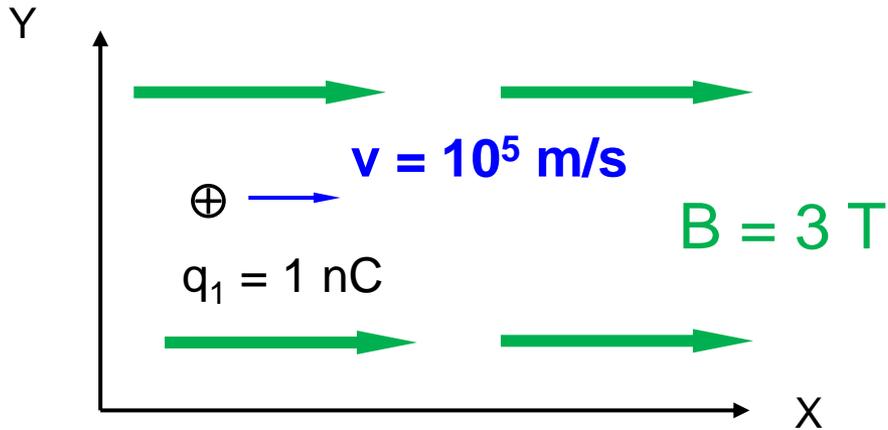


Fuerzas magnéticas

Ejemplo: Calcular la fuerza que experimenta la carga en las tres situaciones siguientes

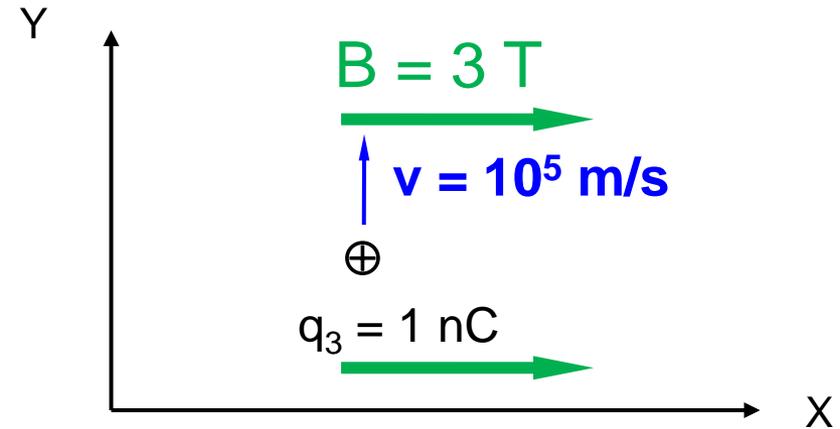


Fuerzas magnéticas



$$\vec{F} = q(\vec{v} \times \vec{B}) = qv\vec{i} \times B\vec{i} = 0$$

Fuerzas magnéticas



$$\vec{F} = q(\vec{v} \times \vec{B}) = qv \vec{j} \times B \vec{i} = -qvB \vec{k}$$

Fuerzas magnéticas

$$\vec{F} = q(\vec{v} \times \vec{B}) = qv (\sin(30^\circ)\vec{i} + \cos(30^\circ)\vec{j}) \times B\vec{i} = -qv \sin(30^\circ)B\vec{k}$$

