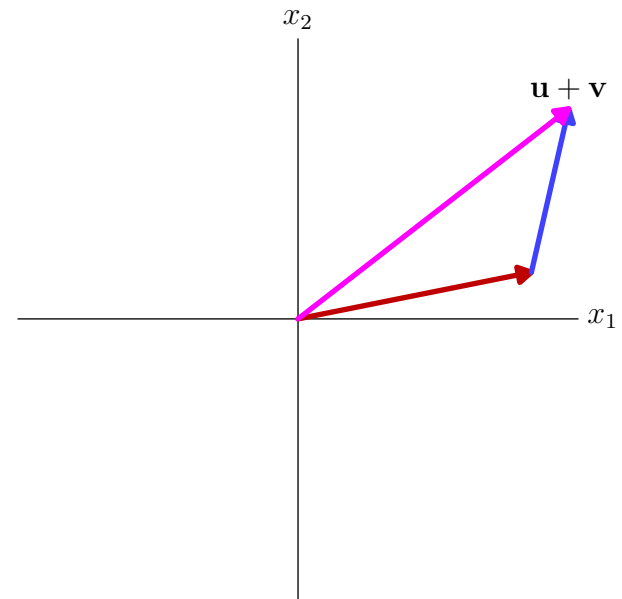
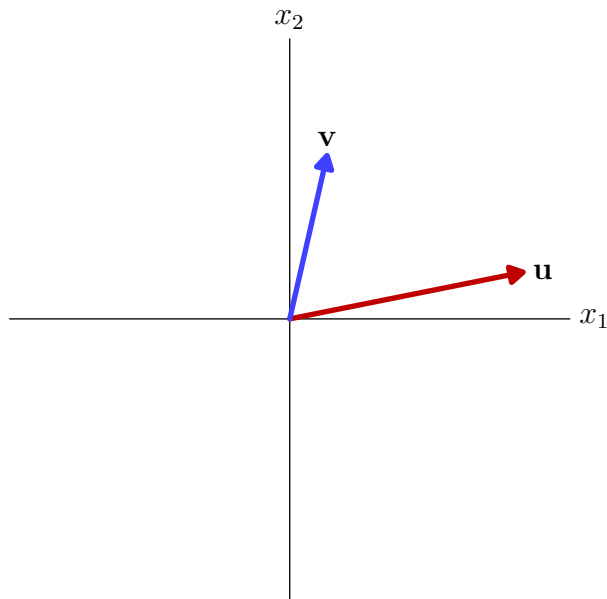
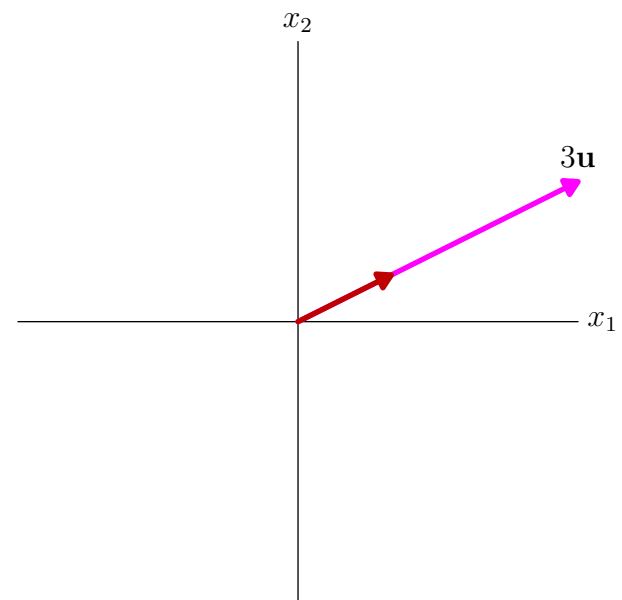
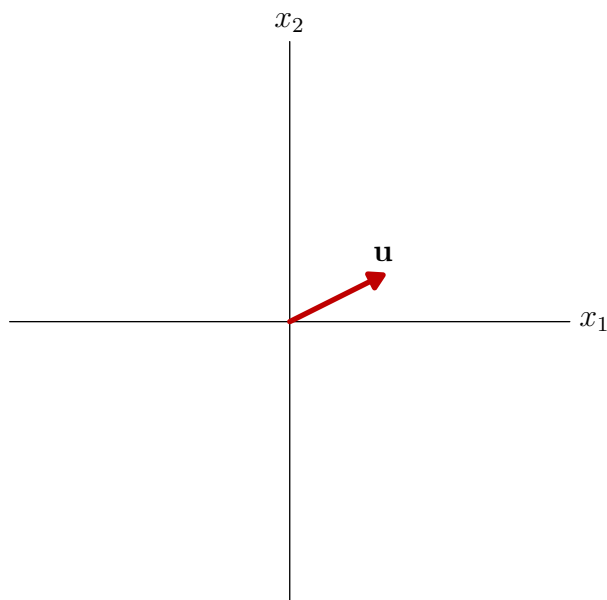


Vector addition

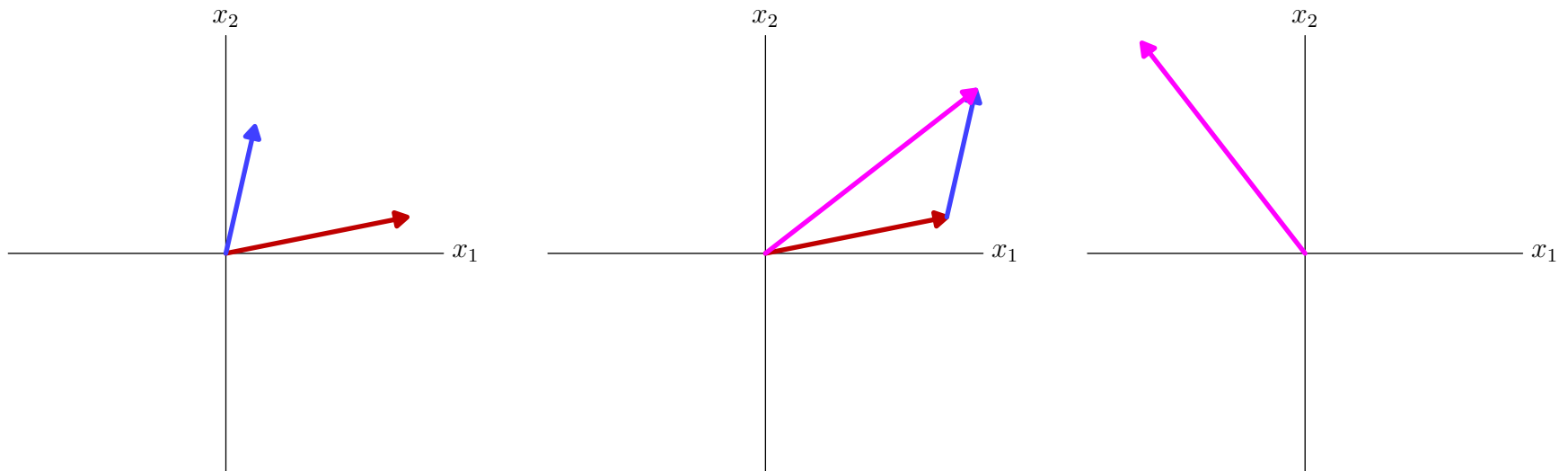


Scalar multiplication

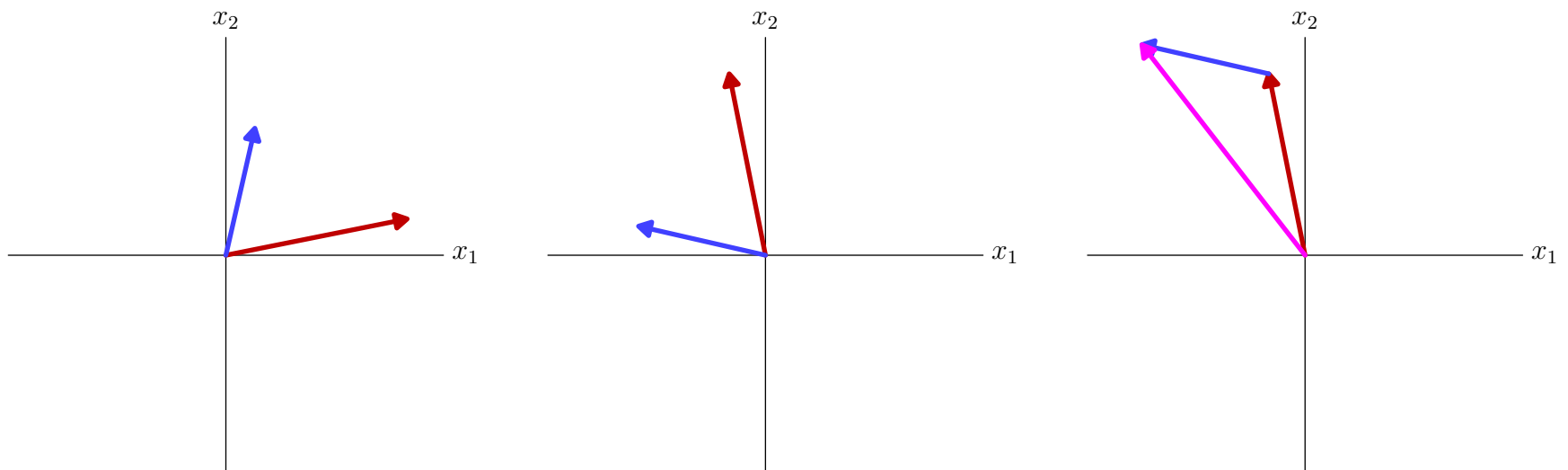


Let T denote counterclockwise rotation by 90° . The following operations produce the same result.

$$T(\mathbf{u} + \mathbf{v})$$

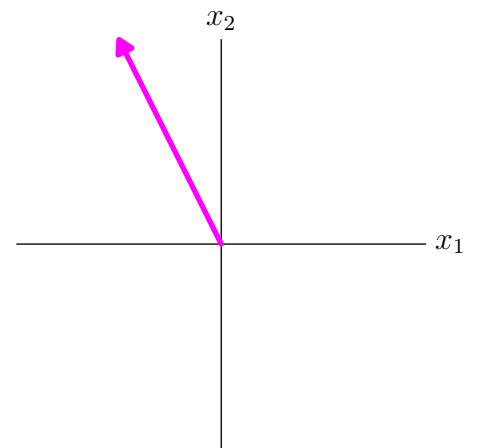
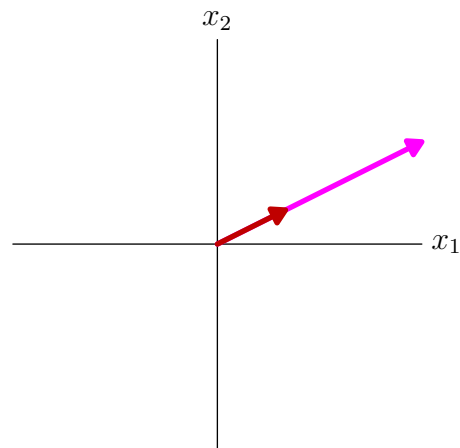
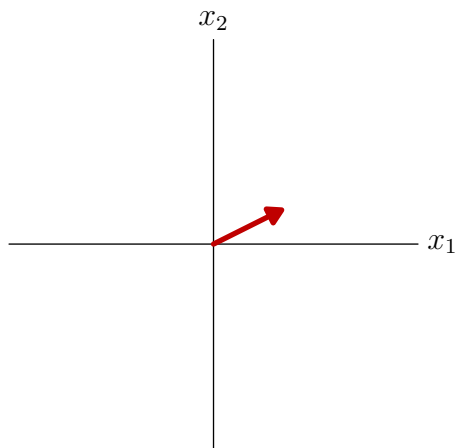


$$T(\mathbf{u}) + T(\mathbf{v})$$



A similar result holds for scalar multiplication

$$T(3\mathbf{u})$$



$$3T(\mathbf{u})$$

