7.9: Reciprocal Vectors

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Def: Two sets of vectors a, b, c and a', b', c' are called **reciprocal sets** if aa' = bb' = cc' = 1 and a'b = a'c = b'a = b'c = c'a = c'b = 0.

Given a set of vectors, their reciprocals are: $a' = \frac{b \times c}{a \cdot (b \times c)}$ $b' = \frac{c \times a}{a \cdot (b \times c)}$ $c' = \frac{a \times b}{a \cdot (b \times c)}$