Cross Product

are ay az be by bz

-10 0 27 L J K

 $\frac{3}{2} \times \frac{-5}{1} \times \frac{0}{9} \times \frac{3}{2} = \frac{-5}{1}$ $\frac{3}{2} \times \frac{-5}{1} \times \frac{0}{9} \times \frac{3}{2} = \frac{-5}{1}$

(3+45+0)-(-10+0+27) = 31

2 (bx) 1 (by) 9 (bz)

(ay bz - az by) = L(-5)(9) - (0)(1) = -45

+(azbz - azbz) = (0)(z) - (3)(4) = 22

+ ax 6y - ay 6x = 13

(3, -5, 0) x (2, 1, 9) = (-45, -27, 13)