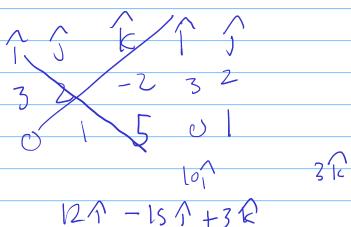
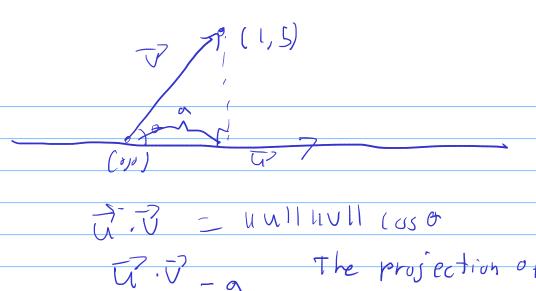
7.



5. Passes through P=(2,-4,1), parallel to  $\vec{d}=\langle 9,2,5\rangle$ .

$$(2,-4,1)$$
 +  $t$   $(9,2,5)$   
 $(2+9t, 2t-4, 1+5t)$   
 $(2+9t, 2t-4, 1+5t)$   
 $(2+9t, 2t-4, 1+5t)$ 

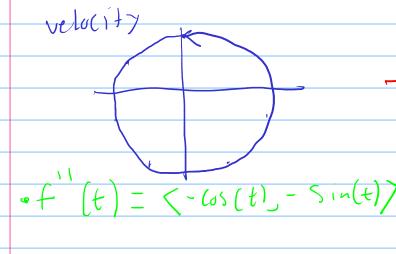
7. Passes through P = (2, 1, 5) and Q = (7, -2, 4).



The projection of 
$$\sqrt{2}$$

ros ton

Vector Valued Functions  $f(x) = \begin{bmatrix} 2x^2 \\ 3(os(x)) \end{bmatrix}$   $= \begin{bmatrix} 2x^2 \\ 3(os(x)) \end{bmatrix}$ 



$$(t) = (t, 1)$$

$$d(t) = (osth), sin(t)$$

$$f(t) = ((b) + lott), 1 + sin(t)$$

$$((b) + lott), 1 + sin(t) d + (y)$$

$$(2 + sin(t) + (x, t - los(t) + (y))$$

$$(2 + 7)$$

$$(2 + 7)$$

$$(b) = (-sin(t), (os(t)))$$

$$(-1) = (-sin(t), (os(t)))$$

$$(-1$$