











116. Verify the distance between P	and Reguals (1-a) times the distance
$\mathcal{D} = \sqrt{(x_2 - x_1)^2 + (y_2 - x_3)^2}$	-y1) -> Where D is Distance
-dis-4 (P, R)	(1-a) dist (P, Q)
= $(2,3)$ $R = (x,y)$ -x = 2a + 8(1-a) = 8 - 6a	P=(2,3) Q=(8,11)
	$(1-a)$ \cdot $(8-a)^2 + (11-3)^2$
$V((8-6a)-2)^2+((11-8a)-3)^2$	(1-a) · V(6)2 + (8)2
	(1-a) · V 36 + 64
= 1 (6-60) = + (8-80) =	(1-2)
$= \sqrt{6^{\circ} \cdot (1-a)^{2}} + 8^{\circ} \cdot (1-a)^{2}$	(1-a)
$= \sqrt{36(1-\alpha)^2} + 64(1-\alpha)^2$	D=10(1-a) or 10.11-a
= V.100(1-a) ²	
D=10(1-a) or 10.11-al	
λis+(P,R)=(1-a). dis+(P,Q)







