	4.8.7
	o predict the probability that a compound will issu
4	divident this year that its peacentage was x=4
1	nd you use Baye's theorem.
	ets assume the dividend to be o and no-dividend
1	to be ND
	he need to calculate the probability. From the
1	Poerious from question we get the soverity function
1	as follows.
	$\sqrt{2\pi\sigma^2}$ $2\sigma_e^2$
	1-(4)= K
	E TR - eap [-1 x (2- 4x)]
	20 k
	low, we have to substitute the following values
l l	from the above given equation into the above question we set.
	equation: we get. question
	Mr. 0.80 x eap[=1 x (q-10)] 2.36
	P(1-) -
	Dansenst-1 xc. H. Discourt
	0807 eap[-] * (4-10)] + 0.50 x eap[-] *(4-0)]
	" rom contrino Ato I man on Aim
	i on solving the above equation, we get
	n. 7510 [n. 2 20. 1 1011 7
	P(4) = 0.7519 [around 75.1. probability]