

1000	$a = \frac{d}{ds} - \frac{d}{ds} ds$
-	from the troof of a building.
[e a]	20 111: He suite 24 to bright
	from ground. at time t be given by
V	from ground. at time t be given by
	1 = - 16 t2 + 24t + 120. where is is in ft.
	$s = -16t^2 + 24t + 120$. where s is in ft. t is in seconds.
(a) Fin	hrown into air.
	P
7	hhown into aix.
(5) Find	height of the building.
(Coln 1)	Height of the building is simply & ovolunted at O.
(8 M = . B)	Height of Sa
	1 120 EL
	So, 120 ft.
	2/
(Pola a)	$v = \frac{ds}{dt} = -32t + 24$
.)	at i from i
C	relocity (in ft/s) 3 seconds after it is thrown is
00,	
	$=-32\times3 + 24 = -72$.
	he ball is falling downward at 72 ft/s.
So, t	he ball is falling the
	$a = \frac{du}{dt} = -32$
	dt 1 + 00 P1/2
	the acceleration downward is constant 32 ft/s2.
Thus,	in access
TO THE RESIDENCE OF THE PARTY O	