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	18/ENG03/033
	- Civil Engineering
	1) For Figure 12:3(1) U= (4t-3t ²) m/5
THE THE THE THE	
	5=5(ut-3te)dt
	= 2t2-t3 When t=45
	5 3 2 4 4 7 2
	5 32-64
=	25-3202
	2) For Figure 12.4(2)
	Us (0.5t3-8t7m/5
	As diffe
	dyde 53(0.67t2-8
9	11.5t2-8
-	A= dy/dt/t = 2
3	5 1.5 (2) 2-8
	56-85 -2m/5

3) for figure 12.7 (4) 4/2-2) m/52 Us JAdt Us Jut2-2 54t2-2+C JE Judt 5 54th/3 - 2t +C 5 = JULE 4+3 - 2++c 5 3 JULE 5 JUE 3-2+ CE Ps/3th-t2+ct+h When t 5 D. 952 -2=/3(0)"-(0)2+C(0)+14 14->-2 Works ts 2, 85 20, 4 5-2 -205/3(0)4-12+(12)-2 - 20 5 -0.7 flc C=-9,7 P=1/3th-t2-9.7t-2 When ts H
Ps/3 (4)4-42-(9.7x4)-2 P = 18.7m

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4 For figure 12.8 (4)

1) = (200-0.55) m/5

dt = dy and dt = dy

a = dy/t, dy

t = dy

t = (20-0.55²)

A = (-0.15) (20-0.055²)

When 5-15

A = (-0.1×15) (20-0.05(15²)

A = -13.125 m/5²