b)
$$V = \Delta x = 250 \text{ m. } 3,031 => \Delta x = [757,5]$$

3° b)
$$V = Vo + g.t = 7 V = 0 + 10.0, 19 = 7V = -1.9 m/s.$$

$$V^{2} = Vo^{2} + 2g. Ab = 7 (1.9)^{2} = 0 + 20Ab = 73.61 = 20Ab$$

$$= 73.61 = 20As = 7Ab = 3.61 = 0.1805 m on 18.05en$$

41) a) d = Vo coso.+ 25 = 10. (0460.1,5 = 25 = 3,33 m/s A=1,50x d = 25,0m 0 = 60,0° h= Vo. sen . + - g. 12 Vo=3,33, h=3,33. bln 60.1,50-9,8.3,502 h=32,28/ Vx = Vox · Cas(0) = 18,67ms; ·Vy = Vox · ser(0) = 14,17 m/s b) [] = V(16,67ms) + (14,17ms) = [25,87ms] c) 0 = ardy = Sano = 5 \frac{V_V}{V_Z} = \frac{14,17}{16,67} = \frac{40,4}{} 50) V= VOX = 5 V = Vo, coso Vo = 5 V cos 0 =7 0 = cos -1 (1/ = Order) (= 78,460 Vo=5V 2: 20 + Vot d= Vo. 600 \$ 174 d= d (010 - 2 20 : Son 6

V3 174 g d= 25. ben 20. => Son 20= 45,7.9,8m/3= 2,1165.10 2 h= 45, 2m. tg. 0,0606 > h 0.,0484 m > h= 4,84 cm

7°)
$$6,1 m/3^2 = 26y^2 - 2.98 m/3^2.9,1 m = 7 loy = 14,7 m/3$$

Q) $0 = (54,7 m/3)^2 - 2.38 m/3^2.4 moix = 7$

howe = $\frac{443}{40} = \frac{1}{10} max^2 = 11 m$

b) $R = Vox.4$
 $R = \frac{1}{10} m/3.3 = \frac{1}{2} m$
 $R = \frac{1}{10} m/3.3 = \frac{1}{2} m$

C) $\frac{1}{10} = \frac{1}{10} \frac{1}{10} m/3.3 = \frac{1}{10} \frac{1}{10} m/3.3$

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 $R = \frac{1}{10} m/3.3 = \frac{1}{10} m/3.3$

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 $\frac{1}{10} = \frac{1}{10} \frac{$

9:) a)

$$Vx = V_0 \cdot (0.0 - 7230.6 \times 30^{\circ} = 725) 19 \text{ km/h}$$
 $70h = 69.76 + 3 + 10.038$

b) $V_p = V_0 \text{ ben } 8 \Rightarrow V_{y0} = 290.6 \text{ len } 30^{\circ} = 24.45 \text{ km/h}$
 $-h = -40.28.10.03 - 4.9.40.031^{\circ}$
 $> h = 403.986 + 492.944 = 24.10.031^{\circ}$

10)

 $v = \frac{1}{14} = 71 = 7.14 = 71 = 2.00 \text{ m. 1.03} = 1.60 \text{ m}$
 $v = 10 - 9.8 \text{ m/s}^2 \cdot (10.8i)^2 = 6.86 \text{ m}$
 $v = 10 - 9.8 \text{ m/s}^2 \cdot 12.43 = 1.43 \text{ m}$
 $v = 10 - 9.8 \text{ m/s}^2 \cdot 12.43 = 1.43 \text{ m}$