2. A. SFAt = AP = MAV =) 4x2 = 5kgar => AV=4:0.8 3. C. F= 0.71+1.2+2 = SFdt = I = 0.71+1.2+3/3/3=4.6 4, B. Phillet = 3×103 v = P(bullet + wood)
39 0 10×9 1 - K(bullet + wood) = Phullet
2 (10×9+0.003 kg)  $= (3\times10^{3})^{1/3} = m9h = 1063 \times 9.8 \times 3\times10^{3} \text{ an}$   $2\times1069 = 10\times9.8\times2\times10 = 65.3\times10^{4}$   $3\times10^{-3} = 3\times10^{-3}$ 6. A.  $\frac{277}{249}$  After:  $V_{A} = \frac{2-f}{2+4} \times 10 + \frac{24}{2+4} (-25) - 10$   $- \frac{2}{4} \times \frac{1}{4} \times 2 \times (-10)^{2} - \frac{1}{4} \times 2 \times 10^{2} = 0$ 7. A. TXMTT Px=Py: Kx=Px = 507

2/5 m m - Px=Py: Kx=Px = 507

for Ky=Py = Px = 50 x %= 20 8. B. 4-Vi = Vo ln(1/m) = 1500 ln(x1-0.8) = 2400 1/s fuel = a8 mo .. all brewsitivest = r= maining 0.2 m,