

Lista 8 – Colisão

1. (a) 13 500 kg.m/s; (b) 900 N; (c) 18 000 N
2. (a) 3,94 m/s; (b) 7,54 m/s
3. (a) 2,3 m/s; (b) -2,8 J; (c) 120 J
4. (b) $v_{\text{bola}} = -2,66 \text{ m/s}$; $v_{\text{bloco}} = 1,77 \text{ m/s}$; (c) $v_{\text{bola}} = -2,05 \text{ m/s}$; $v_{\text{bloco}} = 1,62 \text{ m/s}$
5. (a) 3,3 cm; (b) 300 J