

1) Consulte: Boris Korsunsky, "Braintwisters for Physics Students", *The Physics Teacher*, **33**, 550 (1995)

2) A3, B4, C5, D2.

3) 0,835 m/s.

4) (a) $0 \leq m_2 \leq 3,39$ kg. (b) $F_{\text{at}} = 4,91$ N (estático). (c) $F_{\text{at}} = 1,96$ N (cinético).

5) (a) $2,7$ m/s². (b) 10 s.

6) (a) 80,0 N, p/ direita. (b) 600 N, p/ direita. (c) $6,80$ m/s², p/ direita.