Quiz 3c
Ψαίζ Σ Note Title 27/09/2012
A student shoves a 9.6 kg wooden box with an initial speed of 4.8 m/s. The box slides 1.4 m before stopping.
a. Draw a free body diagram of the box while it is stopping.
b. What is the coefficient of friction between the box and the floor?

$$V_{0} = 4.8 \, \text{m/s}$$

$$Q = \frac{V^{2} - V_{0}^{2}}{2 d}$$

$$Q = \frac$$

$$v = 0 v^{2} = V_{0}^{2} + 2ad Fnet = -F_{f} = ma$$

$$v_{0} = 4.8 \text{ m/s}$$

$$a = ?$$

$$d = 1.4 \text{ m}$$

$$f_{0} = -8.2286 \text{ m/s}^{2}$$

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