$$R = mg \cos 45$$

$$mg \sin 45 - \mu R = mf$$

$$f = \frac{g}{4\sqrt{2}} \text{ m/s}^2$$

$$s = ut + \frac{1}{2} ft^2$$

$$4 = 0 + \frac{1}{2} \left(\frac{g}{4\sqrt{2}}\right) t^2$$

$$t = \sqrt{\frac{32\sqrt{2}}{g}}$$

$$= 2.15 \text{ s.}$$

$$5$$