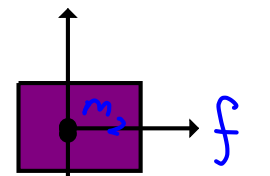
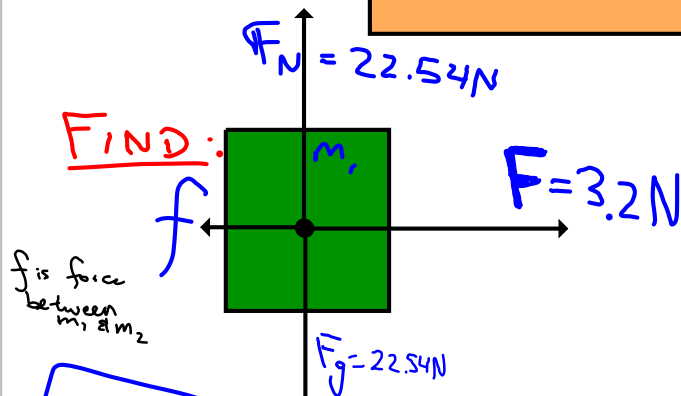
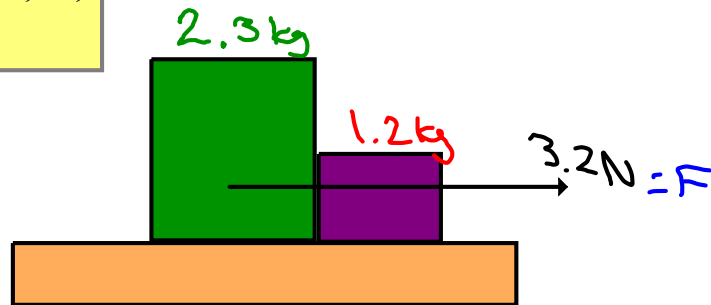


Ch5  
 Q5,6,9  
 3,4,8,10,14,18,19,  
 23,29,36,39,40,49,50,59,  
 60,63,64,69,70



$$F - f = m_1 a$$

$$\sum F_x = f = m_2 a$$

$$a = \frac{f}{m_2}$$

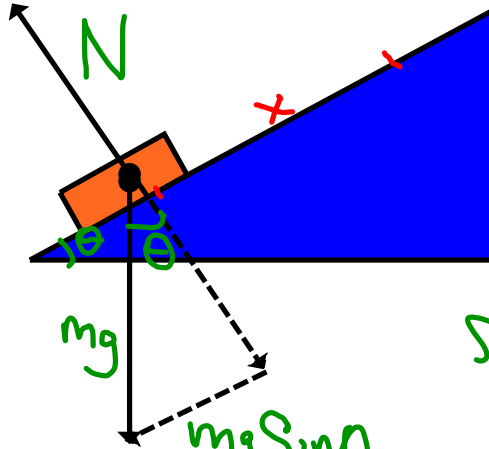
$$F = f + \frac{m_1}{m_2} f$$

$$\frac{3.2 \text{ N}}{1 + \frac{2.3 \text{ kg}}{1.2 \text{ kg}}} = f = 1.1 \text{ N}$$

(60)



$v_0$



$$\sin \theta = \frac{F_x}{mg}$$

$$\sum F_x = -mg \sin \theta = ma$$
$$-g \sin \theta = a$$

$v^2 = v_0^2 + 2ax$

$$\frac{-v_0^2}{2a} = x = \frac{v_0^2}{2g \sin \theta}$$