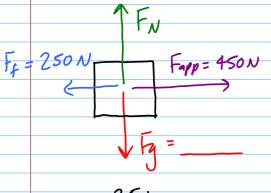
Quiz 36

lote Title 27/09.

For each of the situations shown below, determine the missing information.



$$F_{f} =$$

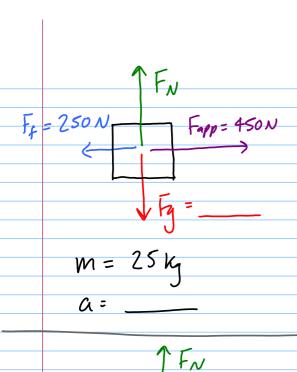
$$\sqrt{F_{g}} = 225N$$

$$M = \underline{\qquad \qquad }$$

$$a = -3.27 \, \text{m/s}^2$$

$$T = 125N$$

$$\int_{\overline{J}} \overline{J} = 299N$$



$$F_{net} = mg = (25 \text{ kg})(9.8) = 250 \text{ N}$$

$$F_{net} = F_{app} - F_{E} = ma$$

$$\alpha = \frac{\text{Fapp} - F_{E}}{m} = \frac{(450 - 250) \text{ N}}{25 \text{ kg}}$$

$$= 4.0 \text{ m/s}^{2}$$

$$F_{g} = mg \quad m = \frac{F_{g}}{g} = \frac{225 \text{ N}}{9.8 \text{ m/s}^{2}} = 22.96$$

$$= 23.0 \text{ kg}$$

$$F_{net} = -F_{g} = ma$$

$$F_{g} = ma$$

$$M = \underline{\qquad \qquad }$$

$$a = -3.27 \, \text{m/s}^2$$

1 Fg = 225 N

$$F_{f} = -(-22.96 \text{ kg})(-3.77 \text{ m/s}^{2})$$

$$= [75.1 \text{ N}] V$$

$$F_{mt} = T - F_g = ma$$

$$a = T - F_g = (125 - 299) N$$

$$m = 30.5 Kg$$