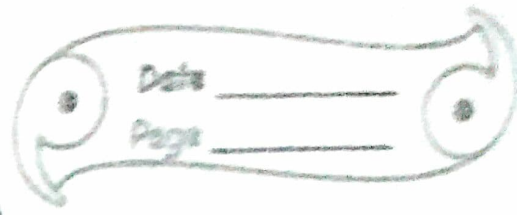


Hw

FORCE AND LAWS OF MOTION



1 c 20N.

2 500N.

3 550N.

4 a $0.05(10 + 1.2) = 0.56\text{N}.$

b $0.05(10 - 1.2) = 0.44\text{N}.$

c $0.05 \times 10 = 0.5\text{N}.$

d $0.05(10 - 1.2) = 0.44\text{N}.$

e $0.05(10 + 1.2) = 0.56\text{N}.$

f $0.05 \times 10 = 0.5\text{N}.$

5 b climbs down with an acceleration of 4 m/s^2 .

$$(T = mg + (mg - 4)) = 600 + 240 = 640 > 600)$$