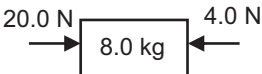
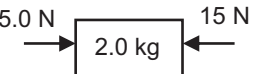
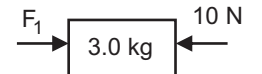
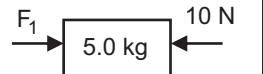
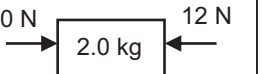
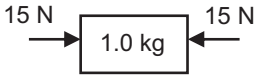
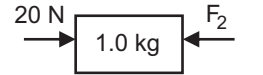
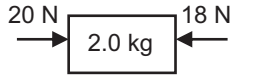
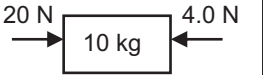
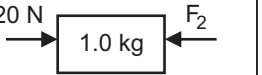
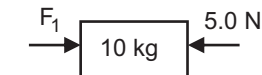
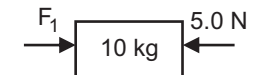
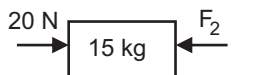
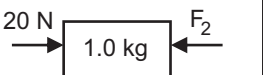
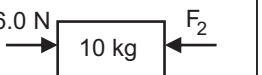
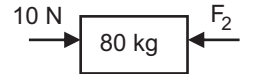
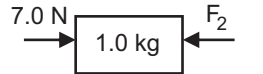
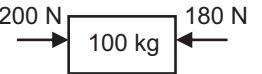
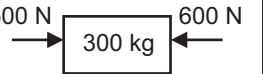
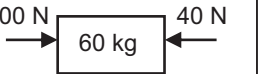
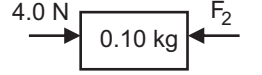
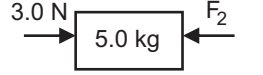
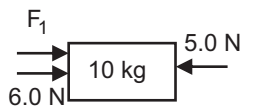
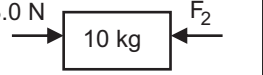
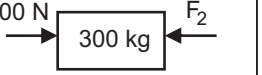


Physics 112 - Forces Sheet

| | | | | |
|---|--|--|---|---|
| <p>a)</p>  <p>$m = 8.0 \text{ kg}$ $F_{\text{net}} =$ $a =$</p> | <p>b)</p>  <p>$F_{\text{net}} =$ $a =$</p> | <p>c)</p>  <p>uniform motion $F_{\text{net}} =$ $F_1 =$ $a =$</p> | <p>d)</p>  <p>uniform motion $F_{\text{net}} =$ $F_1 =$ $a =$</p> | <p>e)</p>  <p>$F_{\text{net}} =$ $a =$</p> |
| <p>f)</p>  <p>$F_{\text{net}} =$ $a =$ $v_i = 6.0 \text{ m/s [E]}$ $v_f =$</p> | <p>g)</p>  <p>$a =$ $F_{\text{net}} = 0$ $F_2 =$ type of motion:</p> | <p>h)</p>  <p>$F_{\text{net}} =$ $a =$</p> | <p>i)</p>  <p>$F_{\text{net}} =$ $a =$</p> | <p>j)</p>  <p>$a = 3.0 \text{ m/s}^2 \text{ [W]}$ $F_{\text{net}} =$ $F_2 =$</p> |
| <p>k)</p>  <p>$a = 2.0 \text{ m/s}^2 \text{ [E]}$ $F_{\text{net}} =$ $F_1 =$</p> | <p>l)</p>  <p>$a = 2.0 \text{ m/s}^2 \text{ [W]}$ $F_{\text{net}} =$ $F_1 =$</p> | <p>m)</p>  <p>$a =$ $F_{\text{net}} = 5.0 \text{ N [E]}$ $F_2 =$</p> | <p>n)</p>  <p>$a = 0.5 \text{ m/s}^2 \text{ [W]}$ $F_{\text{net}} =$ $F_2 =$</p> | <p>o)</p>  <p>$a = 0.1 \text{ m/s}^2 \text{ [W]}$ $F_{\text{net}} =$ $F_2 =$</p> |
| <p>p)</p>  <p>$F_{\text{net}} =$ $a =$ $v_i = 2.0 \text{ m/s [W]}$ $v_f = 2.0 \text{ m/s [W]}$ $F_2 =$</p> | <p>q)</p>  <p>uniform motion $F_{\text{net}} =$ $F_2 =$ $a =$</p> | <p>r)</p>  <p>$F_{\text{net}} =$ $a =$ $v_i = 0$ $v_f =$ $\Delta t = 4.0 \text{ s}$</p> | <p>s)</p>  <p>$F_{\text{net}} =$ $a =$ $v_i = 4.0 \text{ m/s [E]}$ $v_f =$ $\Delta t = 4.0 \text{ s}$</p> | <p>t)</p>  <p>$F_{\text{net}} =$ $a =$ $v_i = 10 \text{ m/s [W]}$ $v_f = 0 \text{ m/s}$ $\Delta t =$</p> |
| <p>u)</p>  <p>$a = 0.1 \text{ m/s}^2 \text{ [E]}$ $F_{\text{net}} =$ $F_2 =$</p> | <p>v)</p>  <p>$a = 1.5 \text{ m/s}^2 \text{ [W]}$ $F_{\text{net}} =$ $F_2 =$</p> | <p>w)</p>  <p>$F_{\text{net}} =$ $a = 1.7 \text{ m/s}^2 \text{ [E]}$ $\Delta v = 17 \text{ m/s [E]}$ $F_1 =$ $\Delta t =$</p> | <p>x)</p>  <p>$a =$ $F_{\text{net}} = 5.0 \text{ N [W]}$ $F_2 =$</p> | <p>y)</p>  <p>$a = 0.33 \text{ m/s}^2 \text{ [W]}$ $F_{\text{net}} =$ $F_2 =$</p> |