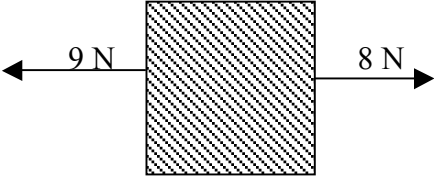
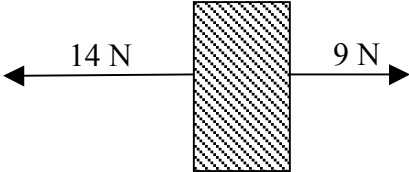
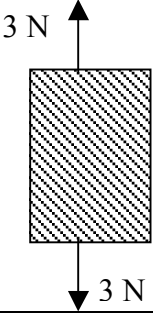
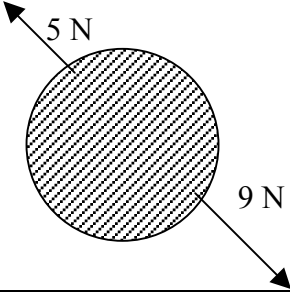


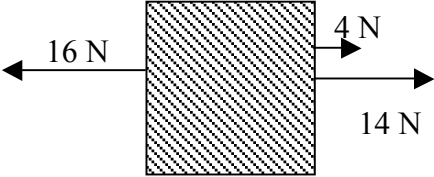
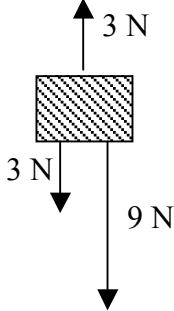
Net Force Homework

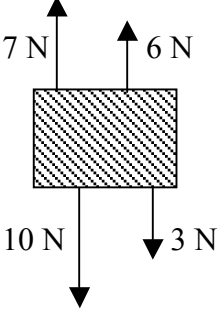
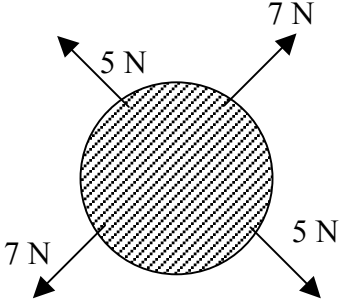
Directions:

- You will complete 8 problems in total.
 - Complete all 4 mild problems
 - Complete 2 medium problems
 - Complete either
 - The other 2 medium problems
 - OR
 - 2 spicy problems

<p>Mild </p>	
<p>Follow the checklist to complete the net force diagrams below.</p> <ol style="list-style-type: none"> 1. Calculate the net force mathematically 2. Draw the net force arrow 3. Indicate if the forces are balanced or unbalanced 4. Indicate whether or not the object accelerates 	
<p>A)</p> <ol style="list-style-type: none"> 1. Net force = _____ 2. Draw the net force arrow below. 3. The forces are: <ul style="list-style-type: none"> a. balanced b. unbalanced 4. The object: <ul style="list-style-type: none"> a. accelerates b. does not accelerate 	<p>B)</p> <ol style="list-style-type: none"> 1. Net force = _____ 2. Draw the net force arrow below. 3. The forces are: <ul style="list-style-type: none"> a. balanced b. unbalanced 4. The object: <ul style="list-style-type: none"> a. accelerates b. does not accelerate
	

<p>A)</p> <ol style="list-style-type: none"> 1. Net force = _____ 2. Draw the net force arrow below. 3. The forces are: <ol style="list-style-type: none"> a. balanced b. unbalanced 4. The object: <ol style="list-style-type: none"> a. accelerates b. does not accelerate <div style="text-align: center; margin-top: 20px;">  </div>	<p>B)</p> <ol style="list-style-type: none"> 1. Net force = _____ 2. Draw the net force arrow below. 3. The forces are: <ol style="list-style-type: none"> a. balanced b. unbalanced 4. The object: <ol style="list-style-type: none"> a. accelerates b. does not accelerate <div style="text-align: center; margin-top: 20px;">  </div>
---	--

<p>Medium </p>	
<p>A)</p> <p>Net force = _____</p> <p>Describe the motion of the object: _____</p> <p>_____</p> <p>_____</p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>B)</p> <p>Net force = _____</p> <p>Describe the motion of the object: _____</p> <p>_____</p> <p>_____</p> <div style="text-align: center; margin-top: 20px;">  </div>

<p>A) Net force = _____ Describe the motion of the object: _____ _____ _____</p> <div style="text-align: center;">  </div>	<p>B) Net force = _____ Describe the motion of the object: _____ _____ _____</p> <div style="text-align: center;">  </div>
---	--

Spicy



1. Jibril pulls on a chair with a force of 32 N to the right. Hickson pulls to the left with a force of 45 N.

a) In which direction will the chair accelerate?

b) Calculate the net force.

c) Draw a picture showing the net force diagram.

2. Vin Diesel is falling out of a plane. The gravity is pulling him down with a force of 124 N. His parachute is pushing him up with a force of 82 N.

a) Draw a picture that shows the net force diagram

b) Calculate net force

c) Write a 1-sentence description that describes Vin Diesel's motion.