

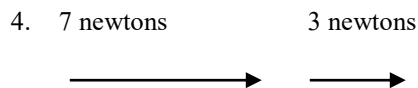
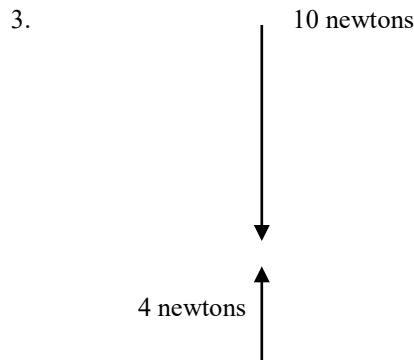
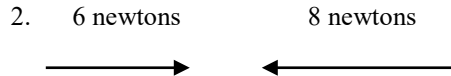
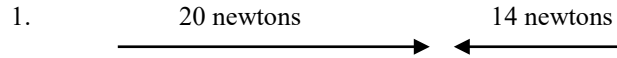
# NET FORCES /31

N

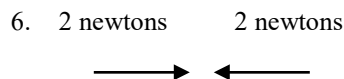
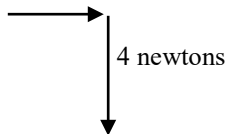
NAME \_\_\_\_\_ HR \_\_\_\_\_

What is the net force and direction in each of the following diagrams? Sketch a vector to show the net force. The top of this page is North.

Each question 1-6 is worth 3 points 1= the vector sketch 2= the net force in newtons 3= the direction of the net force (N,S,E, or W)



5. 3 newtons (Challenge: mathematically calculate the net force vector using the Pythagorean theorem)



7. Which of these drawings might be representing two people working together to move a heavy box?
8. Which of these drawings might be representing a force and the friction counteracting it? (name all 3)
9. Which of these drawings might be representing a person tackling someone running for the goal?
10. Which of these drawings might be representing an object falling through water?
11. Which of these drawings represent balanced forces?
12. In which of these drawings is there no motion?
13. Which of these drawings represent unbalanced forces? (name them all)

S

W

E