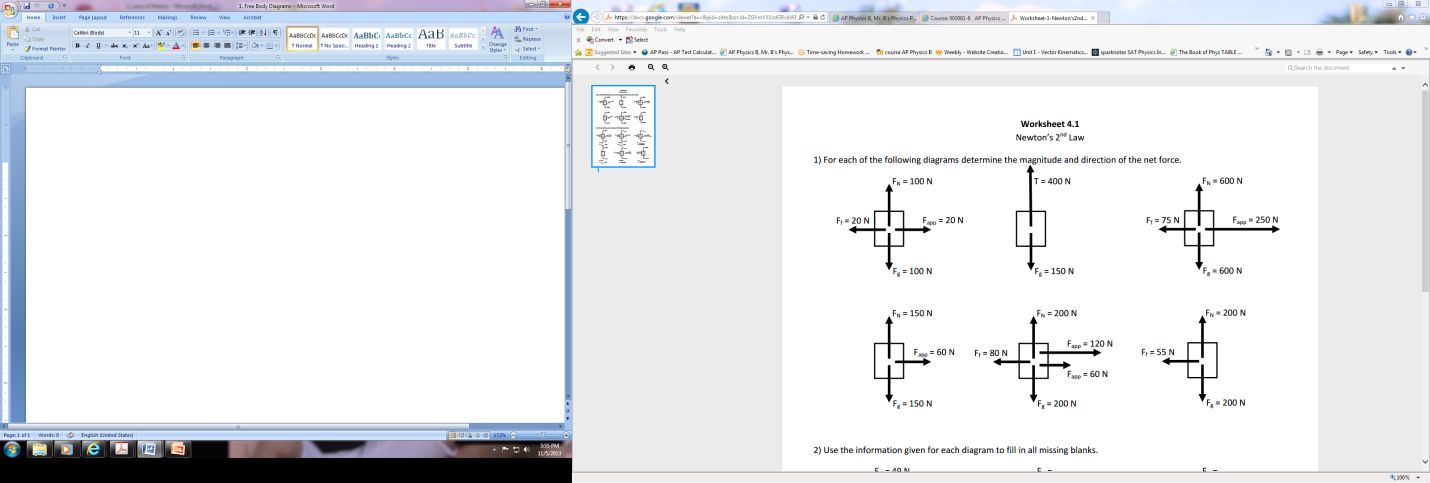
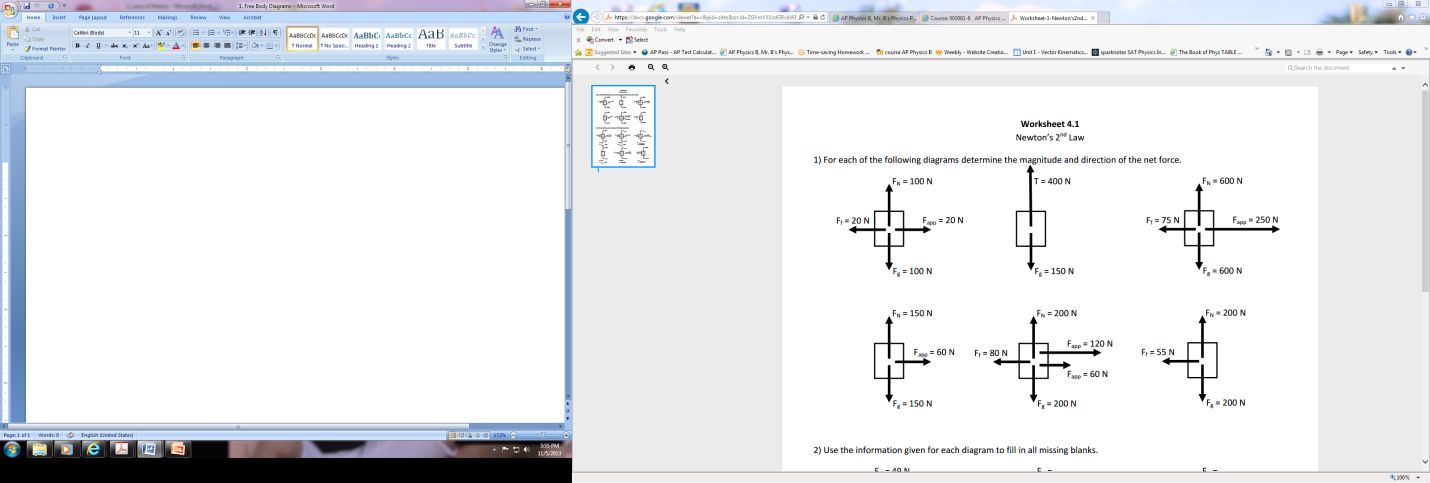
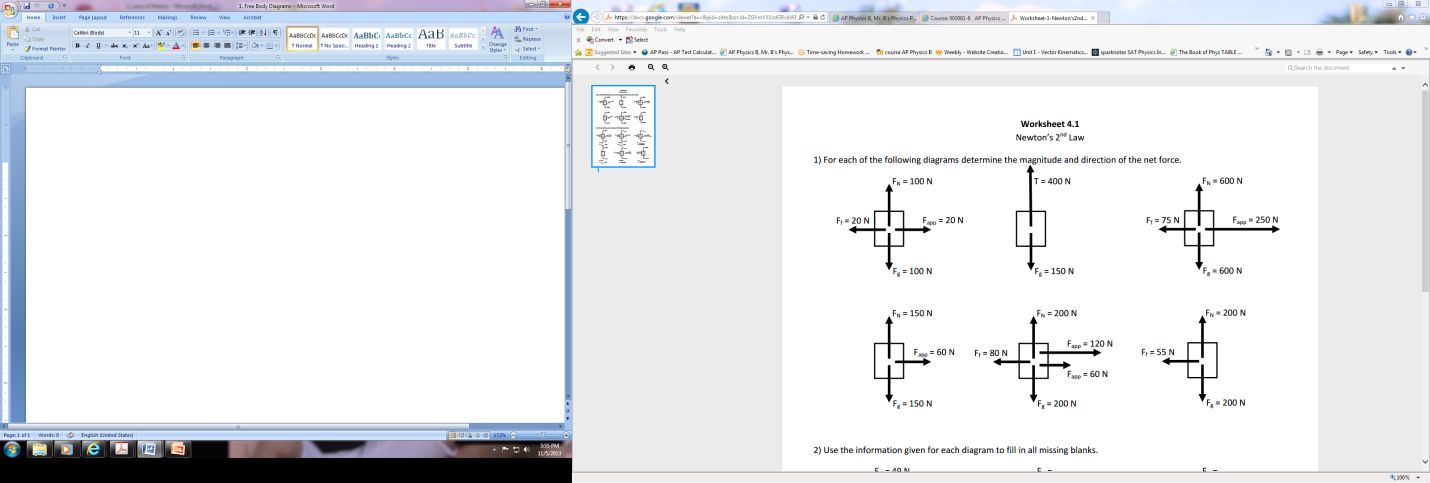
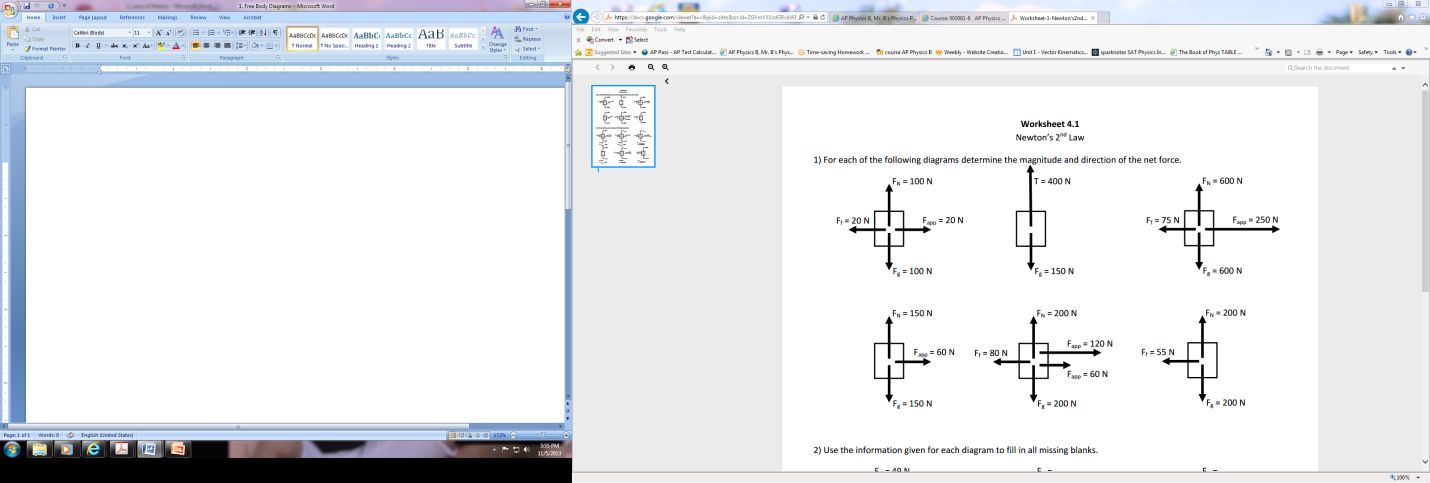
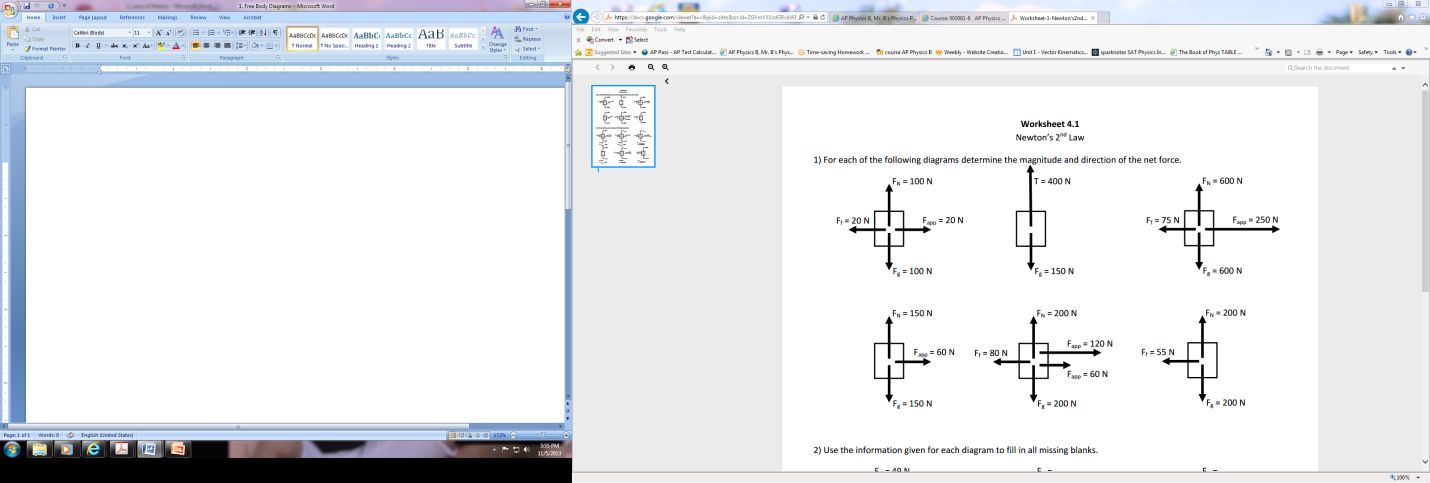
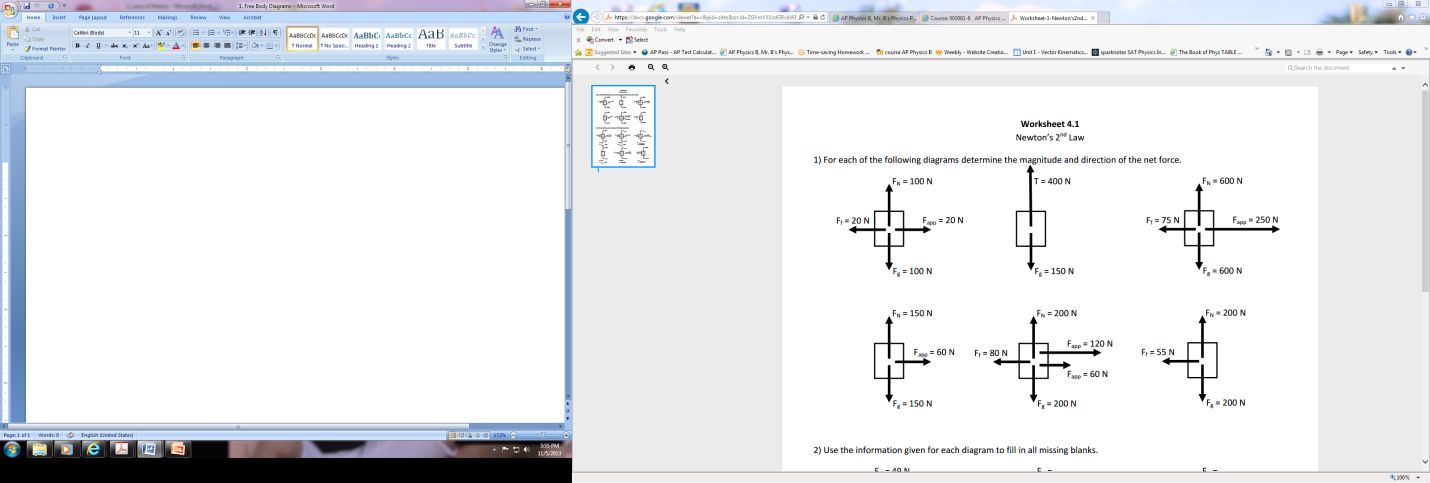
**Laws of Motion: Net Force**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_

I. For each of the following diagrams, determine the magnitude and direction of the net force.

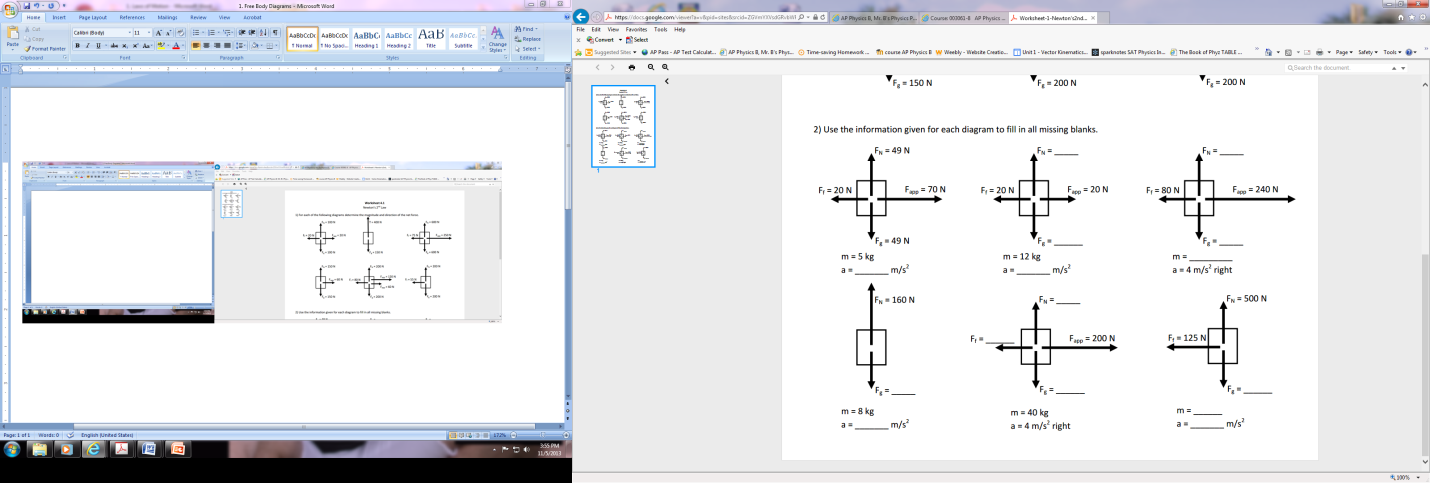
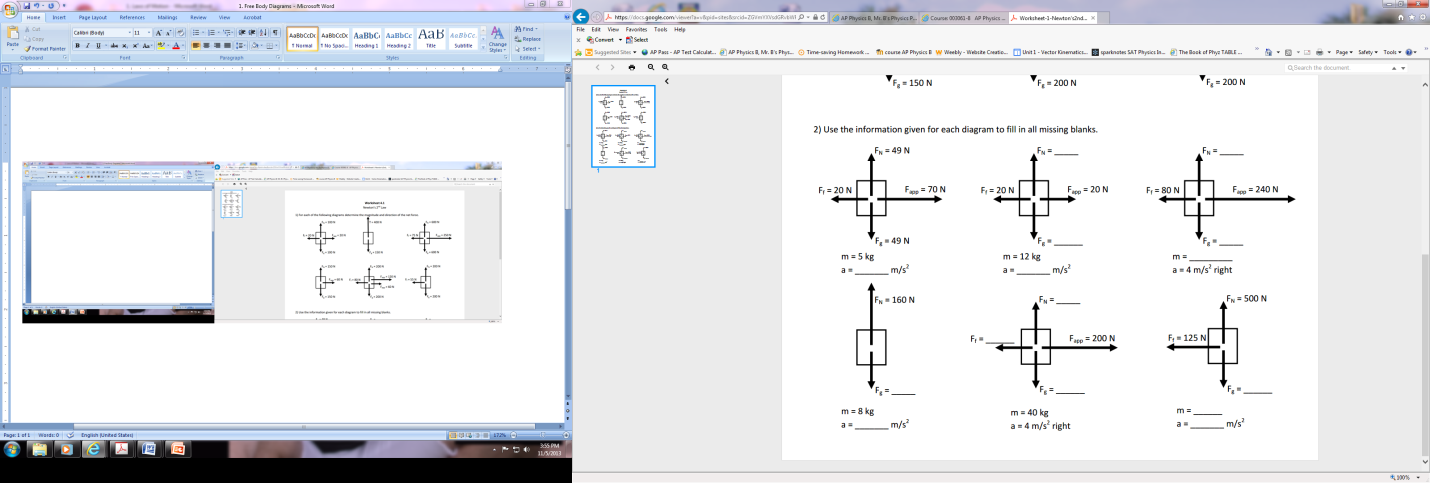
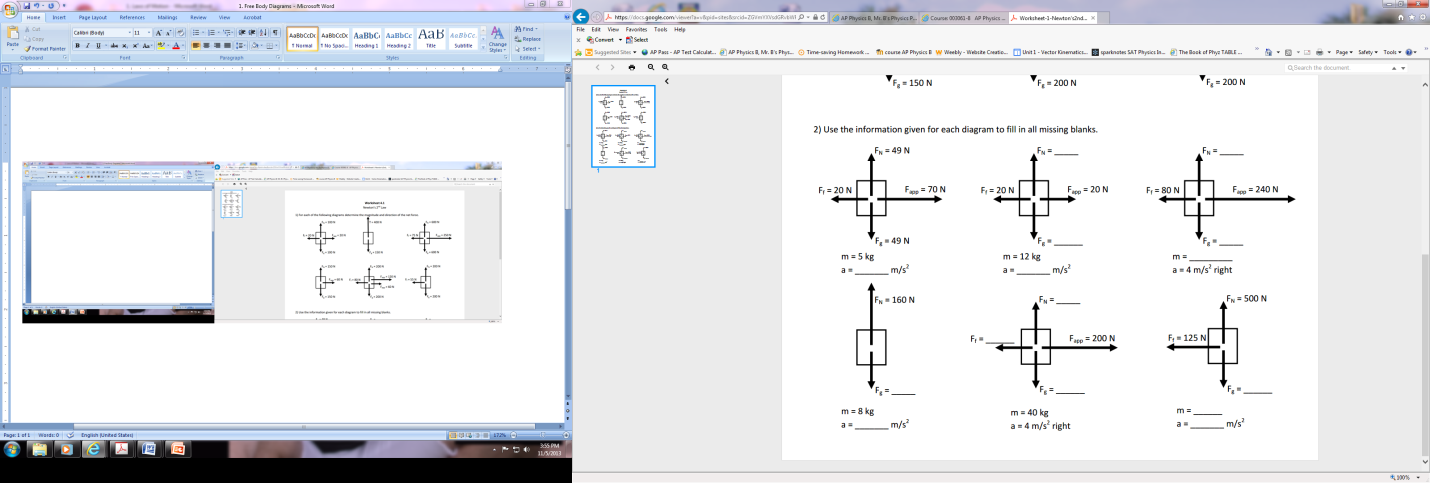
1. 2. 3.

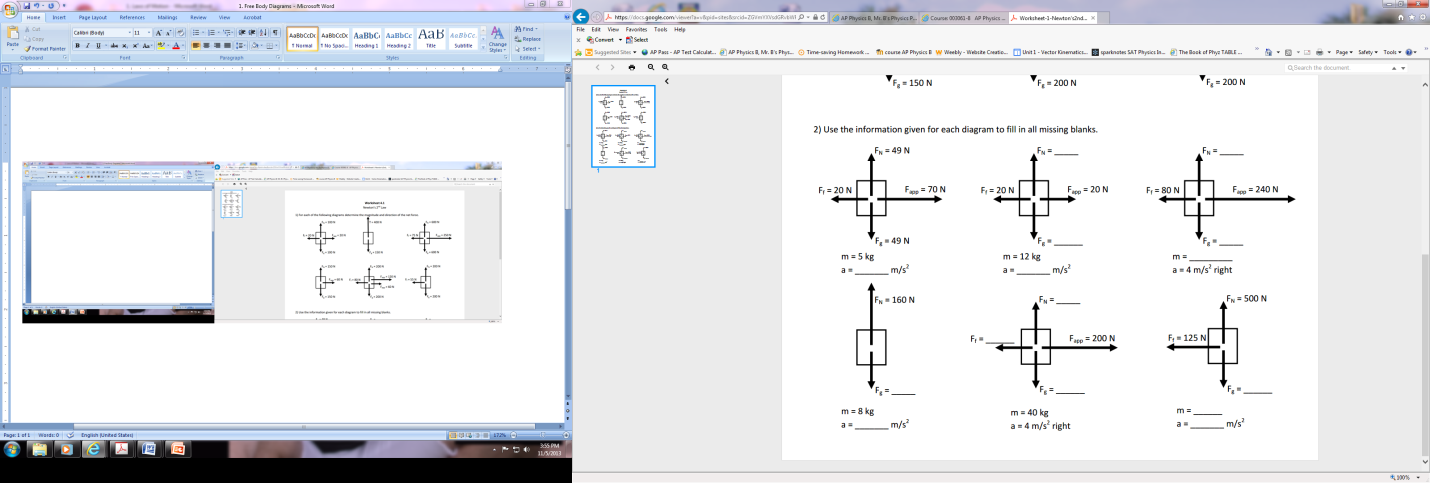
FNET=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FNET=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FNET=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

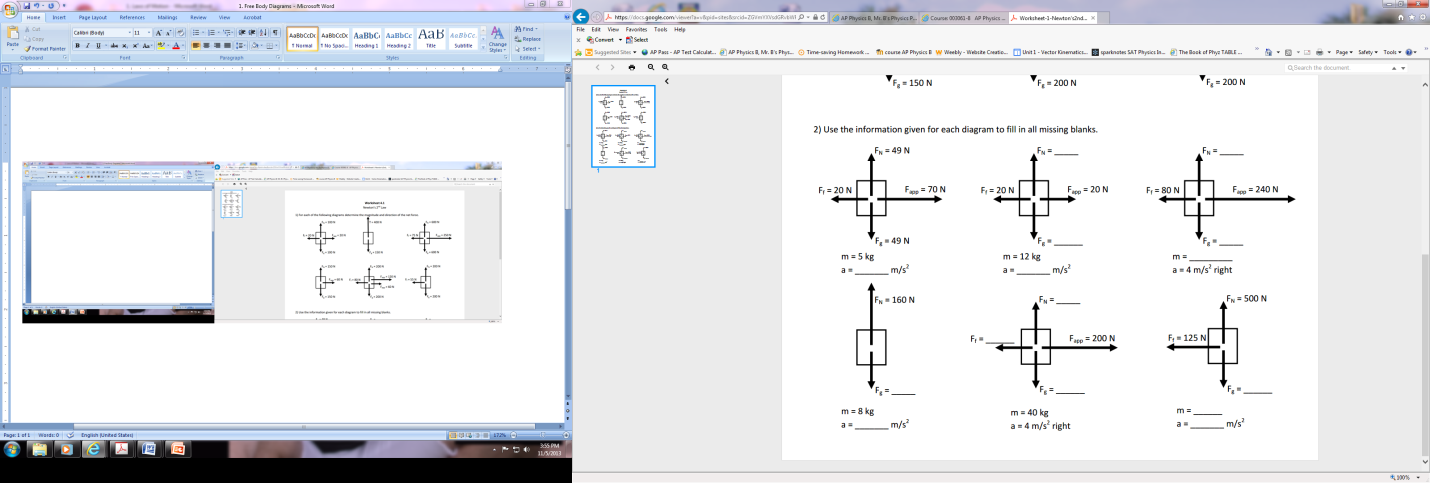
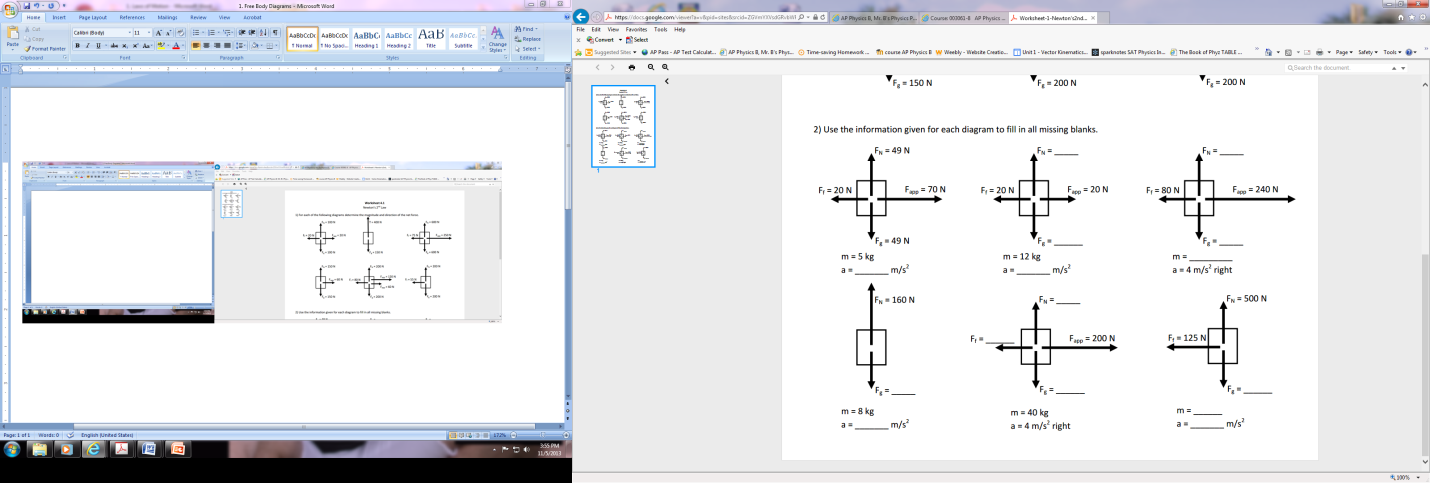
4. 5. 6.

FNET=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FNET=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FNET=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

II. Use the information given for each diagram to fill in all missing blanks.

1. 2. 3.

4. 5. 6.



3. For the following diagrams, determine the magnitude and direction of the net force.

FN=80N

Fapp=20N

FN=200N

1. 2.

Fapp=40N

Fapp=40N

Fr=50N

FG=80N

FG=200N

FNET= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FNET= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

FG=100N

T=400N

Fapp=40N

FG=150N

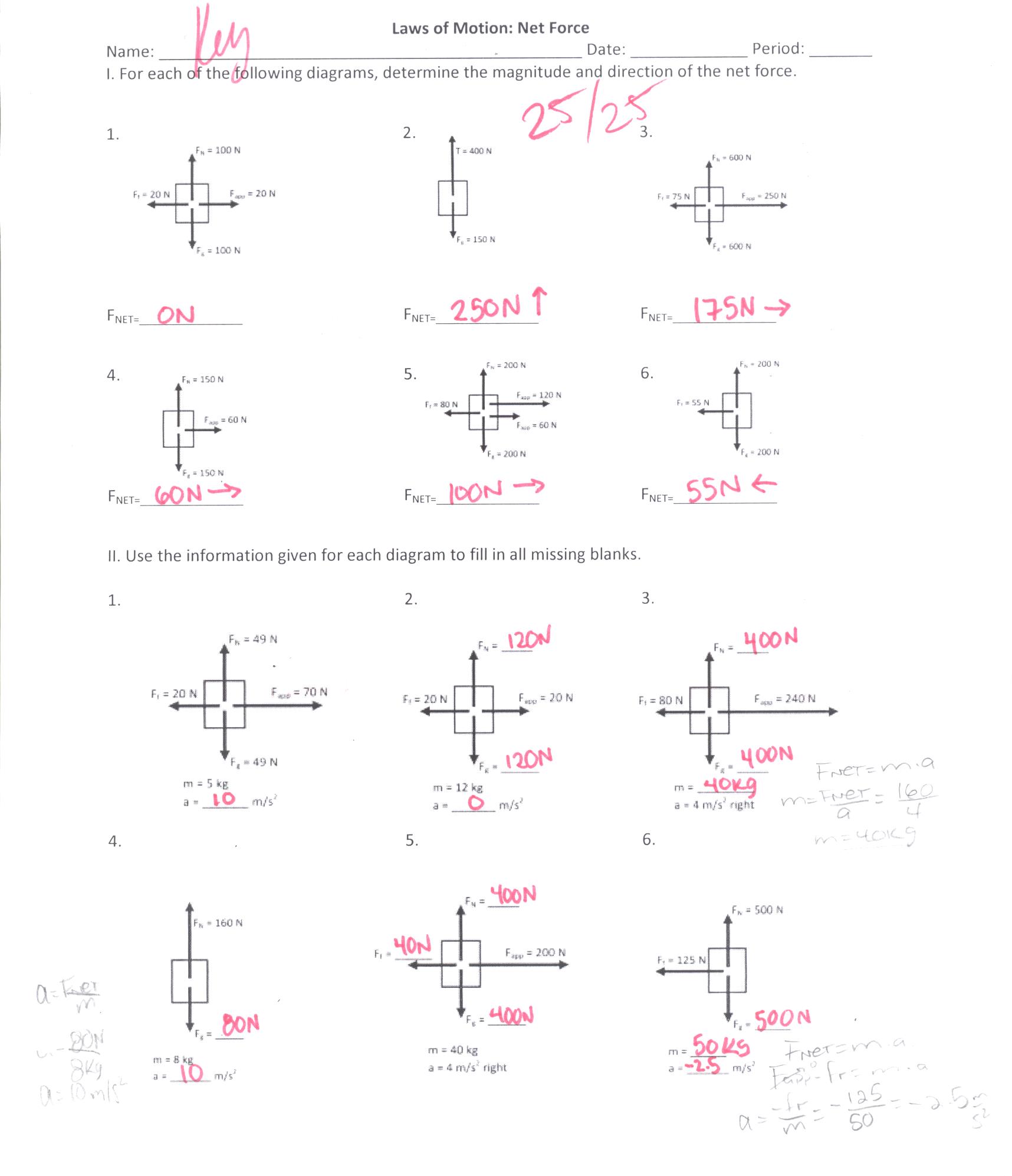
T=600N

Fapp=40N

3. 4.

Fapp=30N

FNET= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FNET= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

****

