Jennifer's Jobs Learning Task

Name_____ **Class Period**_____

Jennifer is a college student who works two jobs after school and on weekends trying to make some extra spending money and to help pay for her tuition. At Job A, she gets $8 an hour, and at job B, she gets $10 an hour.

1. If Jennifer only works at Job A, **<u>write an equation</u>** for her total income I for working *a* hours.

    a. How much will she make if she works 20 hours in the week? <u>Justify your answer</u>.

    b. If she wants to make $200 dollars per week, how many hours would she have to work? <u>Justify your answer</u>.

2. If Jennifer only works at Job B, **<u>write an equation</u>** for her total income I for working *b* hours.

    a. How much will she make if she works 20 hours in the week? <u>Justify your answer</u>.

    b. If she wants to make $300 dollars per week, how many hours would she have to work? <u>Justify your answer</u>.

3. If Jennifer works at both Job A and Job B during the week, **<u>write an equation</u>** for her total income for working *a* hours at Job A and b hours at Job B.

    a. How much will she make if she works 10 hours at each job during the week. <u>Justify your answer</u>.

    b. If Jennifer wants to make $200 combined for working her two jobs, find 3 possible combinations of *a* hours at Job A and *b* hours at Job B that will give her exactly $200. <u>Justify your answer</u>.