Jennifer's Jobs

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, write an equation for her total income I for working a hours.
 - a. How much will she make if she works 20 hours in the week? Justify your answer.
 - b. If she wants to make \$200 dollars per week, how many hours would she have to work? Justify your answer.
- 2. If Jennifer only works at Job B, write an equation for her total income I for working b hours.
 - a. How much will she make if she works 20 hours in the week? Justify your answer.
 - b. If she wants to make \$300 dollars per week, how many hours would she have to work? Justify your answer.
- 3. If Jennifer works at both Job A and Job B during the week, write an equation 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. Justify your answer.
 - 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. Justify your answer.

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