Algebra Review #2

Part A

Zach has a basic cell phone that does not include data. He is going to add a data package to his cell phone plan. He has two choices of data packages; A & B. Package A charges $10 per GB of data with no monthly fees for the data package. Package B charges $5 per GB of data, but has a $25 monthly fee for the data package.

1. Define the variables.

2. Write the equation for package A.

3. Write the equation for package B.

Part B

4. How many GB's of data will Zach have to use each month for the two data packages to be the same cost? Use words, numbers, and/or symbols to justify your answer.

Part C

5. Zach plans to use 8 GB's of data each month. Which data package would be less expensive for Zach to add to his cell phone plan? Show all work using words, numbers, and/or symbols to justify your answer.