GRADE 10 MATH GRAPHING ACTIVITY

Three Internet companies charge different rates for home Internet packages.

Company A - Charges an initial fee of $40 plus a monthly rate of $20 each month.
Company B - Charges a flat yearly rate of $200.
Company C - Charges an initial fee of $60 plus a monthly fee of $10 each month.

1) Write an expression to represent the charges for each company.

2) Create a table of values for each company for each month(0 to12 month).

3) Graph each company's charges per month on the same graph.
   Use months on the x- axis and charges on the y axis (go up by $20).

4) Use your graph and the expressions to calculate the charges for each company after;
   3 months, 6 months and after 12 months.

5) Which company would you choose if you only wanted the internet for;
   A) 3 months
   B) 6 months
   C) 12 months

6) Which company would you choose if you only wanted the internet for 4 months? Why?