

NAME _____

GRADE _____

Mr. Thompson is moving to Shelbyville trying to decide between two cable companies.

Plan A: They charge \$35 to install. The monthly service fee is \$50 dollars.

Plan B: They charge \$70 to install. The monthly service fee is \$45 dollars.

1) Make a chart for each plan that shows the monthly cost for the first year.

2) After one year which plan costs the least?

3) At which month of service did going with plan A not benefit Mr. Thompson?

Dave is trying to decide between two cell phone plans.

Plan A: Monthly fee is \$40 that includes 500 minutes and \$.25 for each minute over.

Plan B: Monthly fee is \$60 that includes 400 minutes and \$.10 for each minute over.

1) If Dave talks 600 minutes which plan is better? Explain by making a chart or equation.

2) If Dave talks 1000 minutes which plan is better? Explain by making a chart or equation.

3) At what time (talking minutes) are the plans equal? Explain and show evidence.