

Algebra 1 chapter 5 Project

Student should prepare a project in 3 parts: Research, Analyze, and Conclusion

Research (20 points): Student should research on internet for a company's plan which they offer to public. This can be phone company (Verizon, T-Mobile etc.), cable company etc. Student should choose at least two plans. After Student choose the topic he/she also research on average rates on related topic such as average talking on the phone.

Example:

1: Unlimited talk \$25 per month

2: Unlimited talk and free phone (Phone is \$200) \$45 per month

3: 100 hour talk \$20 per month and 0.5\$ for additional talk.(People talk average 200 hours on the phone)

Analyze (30 points): Student should write equation for each plan base on the offer over internet. Don't forget to write fist payment or subtract promotion such as phone etc. Student should show all equations on the same graph with average rates. Graph should prepared for money and month. Graph should prepared at least 12 month.

Example:

1 $Y=25*M$

2 $y= 45*M$

3 $Y= 20*m + 100*0.5$

Graphing Calculator <https://www.desmos.com/calculator>

Conclusion (20 points): Student should write in words about each equation and total payment at the end of the 12 months and intersections. Student also should explain analyze part and come up a conclusion with most useful plans and reasons.

Presentation (30 points): Students should explain each part and key message very briefly. All team members participate for about the same length of time. All team members are able to answer questions about the topic as a whole, not just their part of it. Answer audience questions clearly and completely