12. Rolando drives at least 40 miles but less than 60 miles each week.
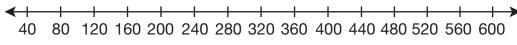

A. Graph the compound inequality representing all of the possible distances Rolando could drive for 8 weeks.

Rolando's Driving for 8 Weeks

40 80 120 160 200 240 280 320 360 400 440 480 520 560 600

Miles Driven

B. Explain why you chose to use the symbols you used for the endpoints of the compound inequality in **part A**.

Go to the next page to finish question 12.

12. ***Continued.*** Please refer to the previous page for task explanation.

Rolando buys at least 8.5 but no more than 11 gallons of gas each week. The price of gas has ranged from $2.40 to $2.65 per gallon each week.

C. Write an inequality to model all of the possible amounts of money (m) Rolando spends on gas each week. Show or explain all your work.