

Name _____ Date _____

Furnace Repairs

Antonio's furnace has quit working during the coldest part of the year. He decides to call some furnace specialists to see what it might cost to have the furnace fixed. Since he is unsure of the parts he needs, he decides to compare the cost based only on the service fee and labor cost. Below are the price estimates he has gathered. Each company has also given him an estimate of the time it will take to fix the furnace.

- Company A charges \$35 per hour
- Company B charges a \$20 service fee for coming out to the house and then \$25 per each additional hour.

For which time intervals should Antonio choose Company A, Company B?

Answer: _____

Support your decision with sound reasoning and representations. Consider including equations, tables, and/or graphs.