

Name: _____ Period: _____ Date: _____



ERIC AND ESTHER THE ELECTRICIANS



For a house call, Eric the electrician charges a fixed fee of \$45 plus \$10 per hour for the labor to complete the job. His main competitor, Esther, charges a fixed fee of \$30 plus \$15 per hour for the labor. Esther, his main competitor advertises that her rates are cheaper. Is Esther correct? Explain your reasoning.

Remember to show your work. Write your answer using the following example:

Esther is _____(incorrect/correct) because _____.

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1. Explain what the intersection of the two lines tells you about Eric and Esther's charges.

2. Why are we only looking at the parts of the graphs in Quadrant I?
