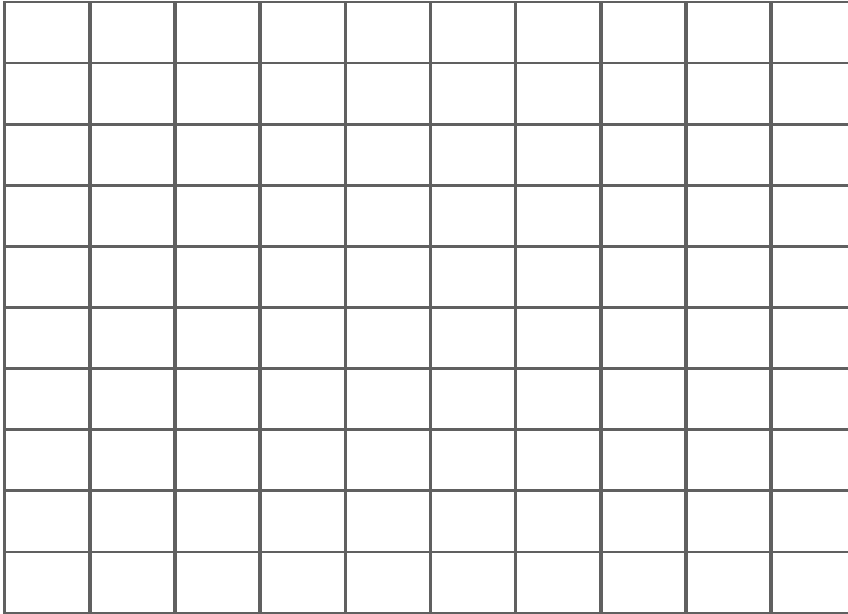1. An electrician works at a job site at a rate of 40$ per hour or any portion of an hour. In other words, he will charge you 40$ as soon as he comes up to the first hour, and then 40$ for the second hour, and so on.

a) Graph the amount the electrician charges, in dollars as a function of the number of hours he works.

b) How much does he charge for working 3.5 hours? Circle the point on the graph that shows this answer.

2. It costs $1.40 for the first minute of a phone call to Paris, France, and 0.80$ for each additional minute or fraction of an additional minute. Draw the Cartesian graph of the function f which associates the duration, x, in minutes, of a call with its cost y in dollars.
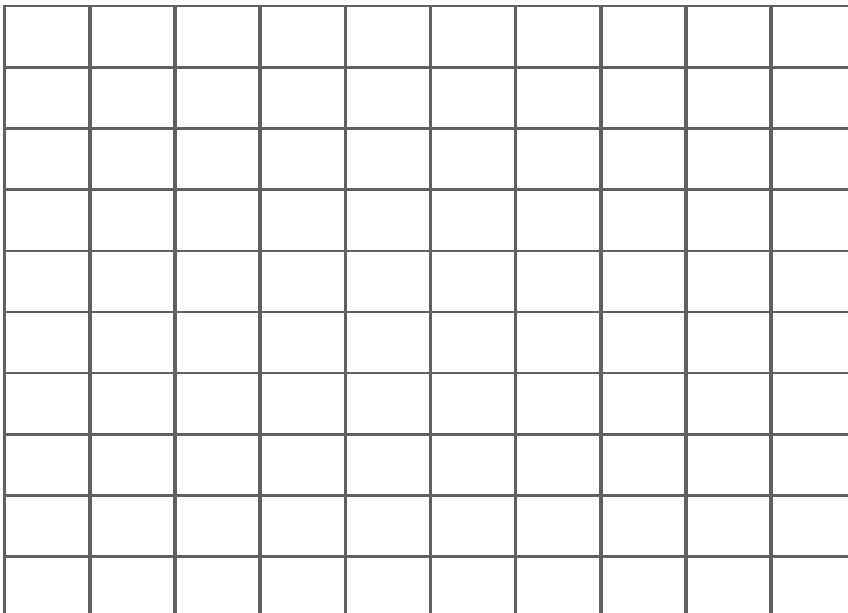
3. At a city garage, it costs $4 to park for the first hour and $2 for each additional hour or fraction of an hour. The fee is a function of the time parked. Draw the Cartesian graph of the function.
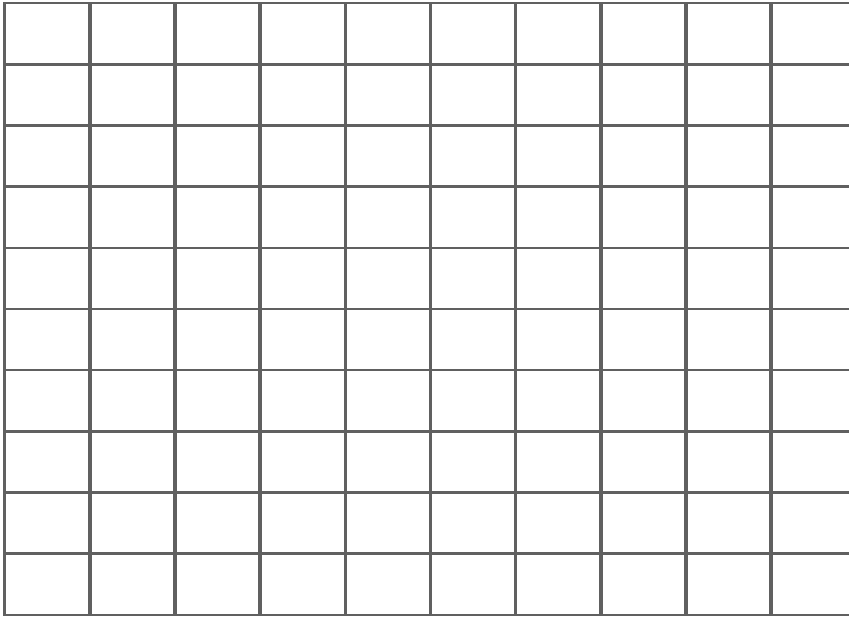
4. John is at a carnival where it costs $20 for admission and each ride costs $2 to ride. Make a graph with the number of rides as the x-axis and the cost as the y-axis. The graph should show the cost of riding up to 10 rides.

    a) How much will it cost for John to do 6 rides at the carnival? Show your answer graphically.
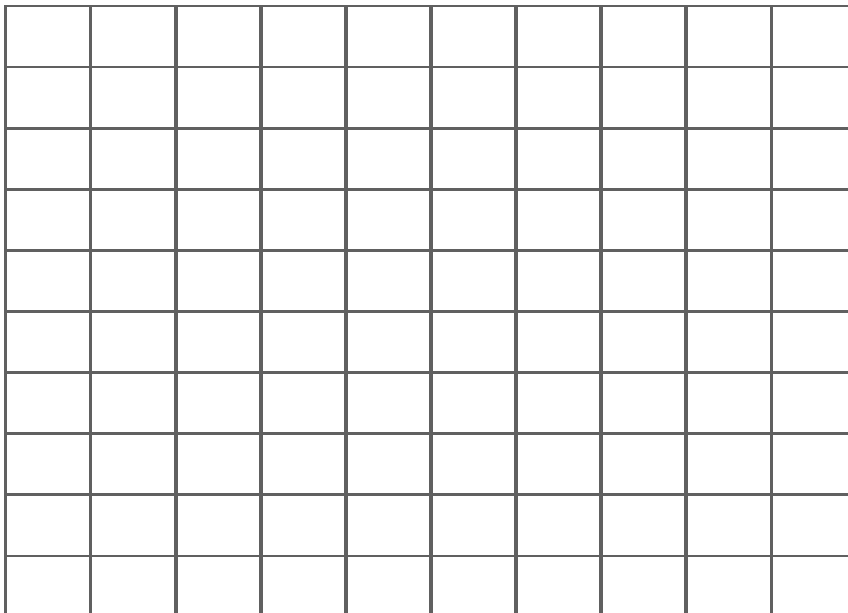
    b) How many rides has John gone on if he has spent $36 at the carnival?