

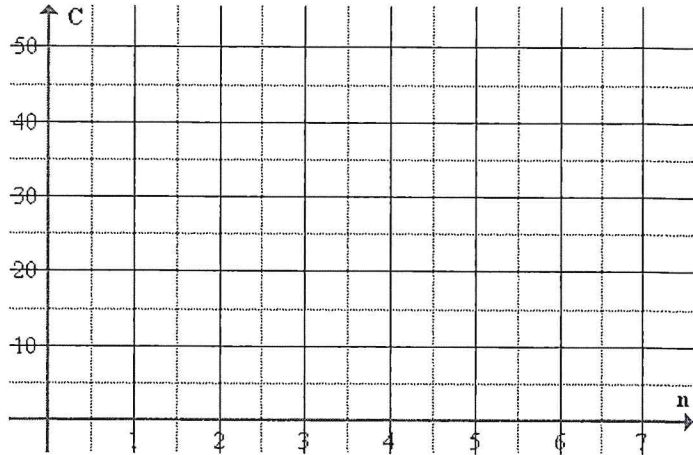
Warm-Up! Babysitting Services **MFM1P**

Simone has a babysitting service. She charges a flat fee of \$10 for transportation.

The table below shows how much she would charge for up to 6 hrs of babysitting.

Graph the relationship. Label fully.

Number of hours, n	Amount charged, C (\$)
0	10
1	15
2	20
3	25
4	30
5	35
6	40



- a) Is this direct or partial variation? How do you know?
- b) What is the initial value? _____
- c) What is the rate of change? _____
- d) Write the equation for this relationship between the amount charged, C , in dollars, and the number of hours, n .
- e) If Simone changed her flat rate of \$10 to \$5 but kept her hourly rate the same, draw a line on the graph that would show this change. What would the new equation be?
- f) If Simone changed her hourly rate to \$4 but kept her flat rate the same, draw a line on the graph that would show this change. What would the new equation be?
- g) If Simone changed her hourly rate to \$7 and increased her flat rate to \$12, draw a line on the graph that would show this change. What would the new equation be?

