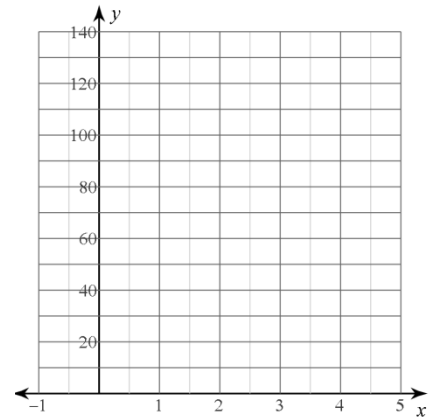


HW 7.4 Exponential Graphs Rules

Use the table to find the information below and complete the graph

1. Growth Factor _____
2. Starting Value _____
3. Rule _____

x	y
0	5
1	15
2	45
3	135



4. Diane buys a new car for \$24,995. The bank offers her a 5.7% interest rate, and she plans getting a 4-year loan.
Use the equation to calculate her monthly payment.

$$M = \frac{P \left(\frac{r}{12} \right) \left(1 + \frac{r}{12} \right)^{12t}}{\left(1 + \frac{r}{12} \right)^{12t} - 1}$$