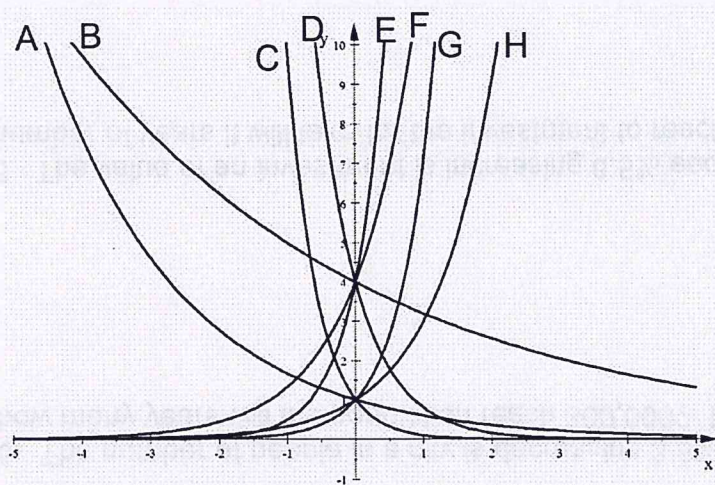


Without using a calculator match the graphs with their equations.

- ____ 1. $y = 3^x$ ____ 2. $y = 4(0.2)^x$ ____ 3. $y = 4(3)^x$ ____ 4. $y = 7^x$
 ____ 5. $y = 4(8)^x$ ____ 6. $y = (0.6)^x$ ____ 7. $y = 4(0.8)^x$ ____ 8. $y = (0.1)^x$



9. Annie's Moving Company rents trucks and provides professional movers. The charges per moving truck and for professional movers are as follows:

Moving Truck: \$40 per day plus \$0.75 per mile driven

Professional Movers: \$15 per hour per person

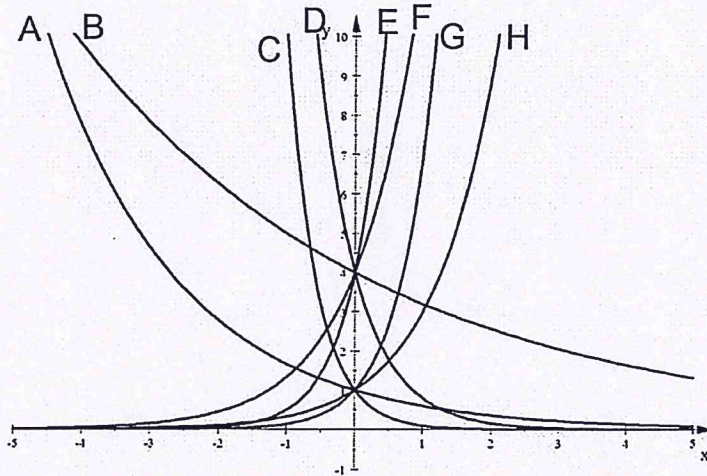
Annie's provided a quote for a truck and 2 professional movers. The truck will be used for one day, and a total distance traveled will be 40 miles. The 2 professional movers will be needed from 3 pm to 7 pm. To the nearest whole percent, what percent of the total cost is the cost of the professional movers?

- A) 60% B) 63% C) 75% D) 80%

Bellwork Alg 2 Tuesday, January 29, 2019

Without using a calculator match the graphs with their equations.

- H 1. $y = 3^x$ D 2. $y = 4(0.2)^x$ F 3. $y = 4(3)^x$ G 4. $y = 7^x$
E 5. $y = 4(8)^x$ A 6. $y = (0.6)^x$ B 7. $y = 4(0.8)^x$ C 8. $y = (0.1)^x$



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$$\begin{array}{lcl} \text{cost of Truck} = & 1 \text{ day} : & \$40 \\ & 40 \text{ mi} : & 40(\$0.75/\text{mi}) = \$30 \end{array} \left. \vphantom{\begin{array}{lcl} \text{cost of Truck} = \\ & 40 \text{ mi} : \end{array}} \right\} \$70$$

$$2 \text{ movers } 4 \text{ hrs each} = 8 \text{ hrs } (\$15/\text{hr}) = \frac{\$120}{\text{TOTAL} = \$190}$$

$$\text{movers \%} = \frac{120}{190} \times 100 = 63\%$$