

HOMEWORK

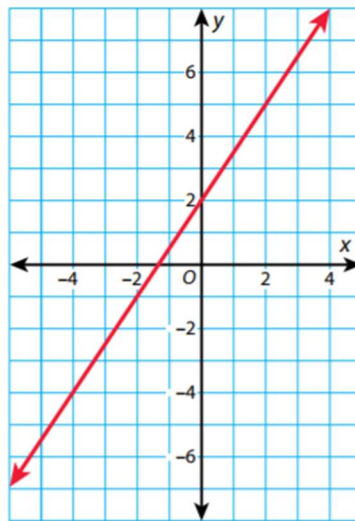
Which statement about these equations is true?

Equation A: $y = 3x + 4$

Equation B: $y = 5x + 2$

- A** Equation A has a greater rate of change.
- B** Equation A has a greater initial value.
- C** Equation B has a greater initial value.
- D** Both equations have the same initial value.

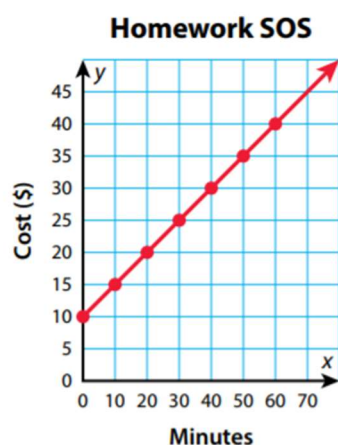
1 The graph shows a function.



Which equation represents a function with a rate of change that is less than the rate of change of the function shown in the graph? Select all that apply.

- A** $y = 2x - 4$
- B** $y = \frac{5}{3}x + 1$
- C** $y = \frac{3}{2}x - 1$
- D** $y = x + 3$
- E** $y = \frac{x}{2} + 5$

3 The rates for two homework help services are shown below.



Homework Lifeline

Rates for Our Services

- Pay \$25 to set up an account with our service.
- Then pay \$0.40 for each minute of homework assistance that you receive.

Part A Which service has the greater rate of change? Which has a greater initial value? Describe what this means in the context of the problem.

Show your work.

Answer _____

Part B What would be the total cost for setting up an account and receiving 90 minutes of homework assistance at each company?

Show your work.

Answer _____
