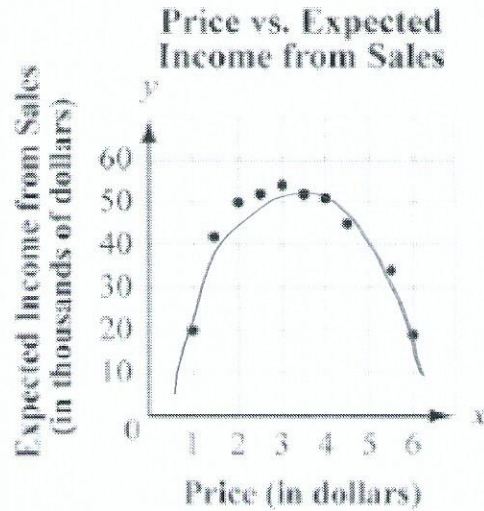


9. This graph shows the expected income from sales vs. price per issue for a new magazine.



Which equation models these data?

A. $y = -5.1x^2 + 34.4x - 3.0$

~~B. $y = 5.1x^2 - 34.4x + 3.0$~~

~~C. $y = -34.4x^2 + 5.1x - 3.0$~~

~~D. $y = 34.4x^2 - 5.1x + 3.0$~~

This is a down ward facing parabola so a is negative

a is slope this slope looks closer to 5.1 than 34.4 so A is answer

or Plug in Point and see which

10. This graph shows the price of a new audio-visual component over time.

Price of New Audio-Visual Component Over Time

Year	Median Price (in dollars)
0	500
2	425
4	360
6	280
8	200

Which is the best explanation for why a linear model may not be appropriate for these data?

~~A. The median price decreases over time.~~

B. The value of the median price cannot be negative.

~~C. The value of the median price cannot continue to decrease.~~

~~D. A quadratic model would be a better fit because the rate of decrease is decreasing.~~

answer works