Today

• Quiz 1 - 12 minutes

• Graphing derivative by hand and by spreadsheet.
Sketch $f'(x)$ for the function $f(x)$ given below.

$f(x) = e^{-x^2} \sin(5x)$

- Make sure to include a vertical scale on your graph so that it is possible to see, for example, what is the maximum slope of $f(x)$.

(A) I’m still working on it.   (B) I’m finished.
Sketch $f'(x)$ for the function $f(x)$ given below.

- High and low points (mins and maxes) have zero slope.
- For large $|x|$, $f(x)$ becomes flat.
- Estimate maximum and minimum slopes.
- $f(x)$ is odd, $f'(x)$ is even.
- Labels and scales.

(A) My graph shows this.
(B) Oops.

https://www.desmos.com/calculator/zowyytoc9u