

No. \_\_\_\_\_

Date: \_\_\_\_\_

<input type="checkbox"/>	$i$	$x_i$	$f(x_i)$
<input type="checkbox"/>	0	60	179
<input type="checkbox"/>	1	130	5381
<input type="checkbox"/>	2	200	13927
<input type="checkbox"/>	3	250	15727

Lagrange order 3

$$\Rightarrow \left[ \left( \frac{x-130}{60-130} \right) \left( \frac{x-200}{60-200} \right) \left( \frac{x-250}{60-250} \right) 179 \right] +$$

$$\left[ \left( \frac{x-60}{130-60} \right) \left( \frac{x-200}{130-200} \right) \left( \frac{x-250}{130-250} \right) 5381 \right] +$$

$$\left[ \left( \frac{x-60}{200-60} \right) \left( \frac{x-130}{200-130} \right) \left( \frac{x-250}{200-250} \right) 13927 \right] +$$

$$\left[ \left( \frac{x-60}{250-60} \right) \left( \frac{x-130}{250-130} \right) \left( \frac{x-200}{250-200} \right) 15727 \right]$$

$$\Rightarrow \frac{-25423x^3 + 11536050x^2 - 1057259000x + 28397022000}{5586000}$$