$\qquad$ Date: $\qquad$

7. Find the rate of change of Pete's height from 3 to 5 years.

| Time (years) | 1 | 2 | 3 | 4 | 5 | 6 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Height(in.) | 27 | 35 | 37 | 42 | 45 | 49 |

8. For $f(x)=x^{2}+4 x+1$, find the rate of change on the interval $[-2,4]$.
