Average rate of change

Name _____ Date _____

1. $f(x) = -3x^2 + 6$; from 1 to 2 → _____

2. $f(x) = -3x^2 + x + 1$; from 3 to 5 → _____

3. $f(x) = x^3 + 2x - 4$; from 3 to 4 → _____

4. $f(x) = x^3 + 2x + 1$; from -1 to 1 → _____

5. $f(x) = 2x^3 - 6x + 5$; from -4 to -3 → _____

6. $f(x) = -x^2 + 6x + 5$; from -1 to 1 → _____

7. $f(x) = -3x^2 - 4x - 4$; from 2 to 3 → _____

Average rate of change

8. $f(x) = x^3 + x + 5$; from -1 to 1 → _____

9. $f(x) = 2x^2 + 4x - 2$; from 0 to 1 → _____

10. $f(x) = -3x^2 + 4x - 6$; from -4 to -2 → _____

11. $f(x) = x^2 + 5x + 4$; from -3 to -2 → _____

12. $f(x) = x^2 - 6x - 3$; from -1 to 1 → _____

13. $f(x) = -2x^2 - 3x - 5$; from -2 to 1 → _____

14. $f(x) = x^2 + 3x - 6$; from 3 to 4 → _____