Task card 1 Average Rate of Change

Find the average rate of change of $f(x) = -2x^2 - 5x - 6$ on the interval $[-3, 1]$.

Task card 2 Average Rate of Change

Find the average rate of change of $f(x) = -2x^2 - 4x$ on the interval $[-1, 4]$.

Task card 3 Average Rate of Change

Find the average rate of change of $f(x) = 2x^2 - 4x$ on the interval $[-4, -2]$.

Task card 4 Average Rate of Change

Find the average rate of change of $f(x) = 3x^2 + 4x + 7$ on the interval $[2, 5]$.

Task card 5 Average Rate of Change

Find the average rate of change of $f(x) = -3x^2 - 4x + 4$ on the interval $[3, 4]$.

Task card 6 Average Rate of Change

Find the average rate of change of $f(x) = -2x^2 - 3$ on the interval $[-2, 0]$.

Task card 7 Average Rate of Change

Find the average rate of change of $f(x) = x^2 - 8$ on the interval $[-3, -1]$.

Task card 8 Average Rate of Change

Find the average rate of change of $f(x) = 2x^3 - 2x^2 - 4x + 5$ on the interval $[-3, -2]$.

Task card 9 Average Rate of Change

Find the average rate of change of $f(x) = 2x^2 - x + 3$ on the interval $[-4, -1]$.

Task card 10 Average Rate of Change

Find the average rate of change of $f(x) = -3x^2 - x - 5$ on the interval $[2, 6]$.

Task card 11 Average Rate of Change

Find the average rate of change of $f(x) = -2x^2 + 2x + 7$ on the interval $[-1, 3]$.

Task card 12 Average Rate of Change

Find the average rate of change of $f(x) = x^2 - 2x + 9$ on the interval $[0, 4]$.

Task card 13 Average Rate of Change

Find the average rate of change of $f(x) = -2x^2 + 2x + 6$ on the interval $[0, 2]$.

Task card 14 Average Rate of Change

Find the average rate of change of $f(x) = -3x^2 - 6$ on the interval $[0, 4]$.

Task card 15 Average Rate of Change

Find the average rate of change of $f(x) = -x^2 + 3x - 2$ on the interval $[2, 6]$.

Task card 16 Average Rate of Change

Find the average rate of change of $f(x) = 2x^3 - 3x^2 - x - 9$ on the interval $[-2, -1]$.

Task card 17 Average Rate of Change

Find the average rate of change of $f(x) = x^3 + 2x^2 + 3x - 8$ on the interval $[-2, -1]$.

Task card 18 Average Rate of Change

Find the average rate of change of $f(x) = 2x^2 - 4x - 9$ on the interval $[-4, 1]$.

Task card 19 Average Rate of Change

Find the average rate of change of $f(x) = -3x^2 + 4x - 2$ on the interval $[-1, 1]$.

Task card 20 Average Rate of Change

Find the average rate of change of $f(x) = 2x^2 + 2x + 2$ on the interval $[-1, 0]$.

Task card 21 Average Rate of Change

Find the average rate of change of $f(x) = -3x^2 + 2x - 6$ on the interval $[0, 5]$.

Task card 22 Average Rate of Change

Find the average rate of change of $f(x) = -x^2 - 5x + 9$ on the interval $[1, 2]$.

Task card 23 Average Rate of Change

Find the average rate of change of $f(x) = 3x^2 - x + 4$ on the interval $[-2, 2]$.

Task card 24 Average Rate of Change

Find the average rate of change of $f(x) = 3x^2 + x + 7$ on the interval $[1, 3]$.

Average Rate of Change Task Cards

Recording sheet · Grade 12 · Find each average rate of change. Give fractions in simplest form.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Average Rate of Change Task Cards: Answer Key

Grade 12 · Medium

The answers online

1. -1	**2.** -10	**3.** -16
4. 25	**5.** -25	**6.** 4
7. -4	**8.** 44	**9.** -11
10. -25	**11.** -2	**12.** 2
13. -2	**14.** -12	**15.** -5
16. 22	**17.** 4	**18.** -10
19. 4	**20.** 0	**21.** -13
22. -8	**23.** -1	**24.** 13