Task card 1 Average Rate of Change

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

Task card 2 Average Rate of Change

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

Task card 3 Average Rate of Change

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

Task card 4 Average Rate of Change

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

Task card 5 Average Rate of Change

Find the average rate of change of $f(x) = 2x^2 + 3$ on the interval $[-1, 0]$.

Task card 6 Average Rate of Change

Find the average rate of change of $f(x) = 3x^2 + 4x - 2$ on the interval $[0, 1]$.

Task card 7 Average Rate of Change

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

Task card 8 Average Rate of Change

Find the average rate of change of $f(x) = 3x^2 + 5x - 7$ on the interval $[-1, 2]$.

Task card 9 Average Rate of Change

Find the average rate of change of $f(x) = 2x^2 + 2x + 8$ on the interval $[3, 4]$.

Task card 10 Average Rate of Change

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

Task card 11 Average Rate of Change

Find the average rate of change of $f(x) = 2x^2 - 8$ on the interval $[3, 6]$.

Task card 12 Average Rate of Change

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

Task card 13 Average Rate of Change

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

Task card 14 Average Rate of Change

Find the average rate of change of $f(x) = x^2 + 6x + 4$ on the interval $[2, 5]$.

Task card 15 Average Rate of Change

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

Task card 16 Average Rate of Change

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

Task card 17 Average Rate of Change

Find the average rate of change of $f(x) = 3x^2 + 3x - 7$ on the interval $[1, 4]$.

Task card 18 Average Rate of Change

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

Task card 19 Average Rate of Change

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

Task card 20 Average Rate of Change

Find the average rate of change of $f(x) = 3x^2 + x + 8$ on the interval $[-4, -1]$.

Task card 21 Average Rate of Change

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

Task card 22 Average Rate of Change

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

Task card 23 Average Rate of Change

Find the average rate of change of $f(x) = x^2 - 6x - 1$ on the interval $[-2, 0]$.

Task card 24 Average Rate of Change

Find the average rate of change of $f(x) = 3x^2 - x - 7$ on the interval $[-3, 0]$.

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 · Easy

The answers online

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