

2.1 Average Rate of Change – Answer Key

For questions 1-12, a function is given. Determine the average rate of change of the function between the given values of the variable.

1) 3

2) $\frac{1}{2}$

3) 5

4) 6

5) 60

6) 21

7) $12 + 3h$

8) $-2 - h$

9) $\frac{-1}{h}$

10) $\frac{-2}{h+1}$

11) $\frac{-2}{a(a+h)}$

12) $\frac{\sqrt{a+h} - \sqrt{a}}{h}$

13) $\frac{1}{2}$

14) -4

15) $2x$

16) $2x-1$