

Name : \_\_\_\_\_

## Domain and Range - Function

L1S1

Write the range of each function for the given domain.

1)  $f(x) = 3 + 2x$  ; Domain =  $\{-13, -3, 6, 10, 13, 18\}$

2)  $f(x) = \frac{x}{4} - 38$  ; Domain =  $\{-20, -12, 0, 8, 16\}$

Range : \_\_\_\_\_

Range : \_\_\_\_\_

3)  $f(x) = -5x + 1$  ; Domain =  $\{-15, -11, -4, -2\}$

4)  $f(x) = -85 - 7x$  ; Domain =  $\{-19, -14, 2\}$

Range : \_\_\_\_\_

Range : \_\_\_\_\_

5)  $f(x) = 5 - \frac{3}{7}x$  ; Domain =  $\{-7, 0, 14\}$

6)  $f(x) = x + 9$  ; Domain =  $\{-18, -10, -9, 0, 7, 20\}$

Range : \_\_\_\_\_

Range : \_\_\_\_\_

7)  $f(x) = \frac{3x-2}{5}$  ; Domain =  $\{-6, -1, 4, 9, 19\}$

8)  $f(x) = 6x - 27$  ; Domain =  $\{-5, 3, 15, 17\}$

Range : \_\_\_\_\_

Range : \_\_\_\_\_

9)  $f(x) = -4x - 3$  ; Domain =  $\{-17, -16, -8, 12\}$

10)  $f(x) = \frac{-1-x}{2}$  ; Domain =  $\{1, 5, 9, 11, 15, 19\}$

Range : \_\_\_\_\_

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## Answer key

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2)  $f(x) = \frac{x}{4} - 38$  ; Domain =  $\{-20, -12, 0, 8, 16\}$

Range :  **$\{-23, -3, 15, 23, 29, 39\}$**

Range :  **$\{-43, -41, -38, -36, -34\}$**

3)  $f(x) = -5x + 1$  ; Domain =  $\{-15, -11, -4, -2\}$

4)  $f(x) = -85 - 7x$  ; Domain =  $\{-19, -14, 2\}$

Range :  **$\{76, 56, 21, 11\}$**

Range :  **$\{48, 13, -99\}$**

5)  $f(x) = 5 - \frac{3}{7}x$  ; Domain =  $\{-7, 0, 14\}$

6)  $f(x) = x + 9$  ; Domain =  $\{-18, -10, -9, 0, 7, 20\}$

Range :  **$\{8, 5, -1\}$**

Range :  **$\{-9, -1, 0, 9, 16, 29\}$**

7)  $f(x) = \frac{3x-2}{5}$  ; Domain =  $\{-6, -1, 4, 9, 19\}$

8)  $f(x) = 6x - 27$  ; Domain =  $\{-5, 3, 15, 17\}$

Range :  **$\{-4, -1, 2, 5, 11\}$**

Range :  **$\{-57, -9, 63, 75\}$**

9)  $f(x) = -4x - 3$  ; Domain =  $\{-17, -16, -8, 12\}$

10)  $f(x) = \frac{-1-x}{2}$  ; Domain =  $\{1, 5, 9, 11, 15, 19\}$

Range :  **$\{65, 61, 29, -51\}$**

Range :  **$\{-1, -3, -5, -6, -8, -10\}$**