

Name : _____

Domain and Range - Function

L1S3

Write the range of each function for the given domain.

1) $f(x) = -1 + \frac{x}{8}$; Domain = $\{-16, -8, 8, 16\}$

2) $f(x) = -3x - 4$; Domain = $\{-17, -14, -6, -2, 4, 15\}$

Range : _____

Range : _____

3) $f(x) = 2 - 9x$; Domain = $\{6, 9, 10\}$

4) $f(x) = -11 - 7x$; Domain = $\{-11, -9, -3, 2, 7\}$

Range : _____

5) $f(x) = 8x + 1$; Domain = _____

Domain = $\{-20, -4, 0, 12, 20\}$

Range : _____

7) $f(x) = x - 17$; Domain = _____

Domain = $\{-15, -7, 13, 18\}$

Range : _____

Range : _____

9) $f(x) = \frac{-x + 41}{6}$; Domain = $\{-13, -1, 5, 11, 17\}$

10) $f(x) = \frac{2}{3}x + 15$; Domain = $\{-18, 0, 3\}$

Range : _____

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2) $f(x) = -3x - 4$; Domain = $\{-17, -14, -6, -2, 4, 15\}$

Range : **$\{-3, -2, 0, 1\}$**

Range : **$\{47, 38, 14, 2, -16, -49\}$**

3) $f(x) = 2 - 9x$; Domain = $\{6, 9, 10\}$

4) $f(x) = -11 - 7x$; Domain = $\{-11, -9, -3, 2, 7\}$

Range : **$\{-52, -71\}$**

Range : **$\{2, 10, -25, -60\}$**

5) $f(x) = 8x + 1$; Domain = $\{-20, -4, 0, 12, 20\}$

Domain = $\{-20, -4, 0, 12, 20\}$

Range : **$\{-95, -71\}$**

Range : **$\{4, 3, 0, -2\}$**

7) $f(x) = x - 17$; Domain = $\{-15, -7, 13, 18\}$

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Range : **$\{-29, -27, -17, -16, -3, 2\}$**

Range : **$\{93, 53, -47, -72\}$**

9) $f(x) = \frac{-x + 41}{6}$; Domain = $\{-13, -1, 5, 11, 17\}$

10) $f(x) = \frac{2}{3}x + 15$; Domain = $\{-18, 0, 3\}$

Range : **$\{9, 7, 6, 5, 4\}$**

Range : **$\{3, 15, 17\}$**

