



Find the Range

Name _____

Score _____

DR:13

Find the range of each function by completing the table.

Q. No	Functions	Domain	Range
1)	$f(x) = \frac{-x - 1}{5}$	$\{-21, -11, -6, 4, 9, 14\}$	
2)	$f(x) = 5x$	$\{-7, -6, -4, -2, -1\}$	
3)	$f(x) = x^3 + x - 3$	$\{-2, -1, 0, 3\}$	
4)	$f(x) = 8 - x$	$\{-9, -6, -4, 1, 5, 7, 8\}$	
5)	$f(x) = 4x^2 + 1$	$\{0, 1, 2, 5\}$	
6)	$f(x) = 6 - \frac{x}{3}$	$\{-27, -18, -15, -12, -9, -3\}$	
7)	$f(x) = 2(x + 7)$	$\{-11, -9, -7, 0, 1, 4, 6\}$	
8)	$f(x) = -\frac{x}{4}$	$\{-20, -16, -12, 4, 8\}$	



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Answer key

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Find the range of each function by completing the table.

Q. No	Functions	Domain	Range
1)	$f(x) = \frac{-x - 1}{5}$	$\{-21, -11, -6, 4, 9, 14\}$	$\{-11, -7, -5, -3\}$
2)	$f(x) = 5x$	$\{-7, -6, -4, -2, -1\}$	$\{-35, -30, -20, -10, -5\}$
3)	$f(x) = x^3 + x - 3$	$\{-2, -1, 0, 3\}$	$\{-13, -5, -3, 27\}$
4)	$f(x) = 8 - x$	$\{-9, -6, -4, 1, 5, 7, 8\}$	$\{0, 1, 3, 7, 12, 14, 17\}$
5)	$f(x) = 4x^2 + 1$	$\{0, 1, 2, 5\}$	$\{1, 5, 17, 101\}$
6)	$f(x) = 6 - \frac{x}{3}$	$\{-27, -18, -15, -12, -9, -3\}$	$\{7, 9, 10, 11, 12, 15\}$
7)	$f(x) = 2(x + 7)$	$\{-11, -9, -7, 0, 1, 4, 6\}$	$\{-8, -4, 0, 14, 16, 22, 26\}$
8)	$f(x) = -\frac{x}{4}$	$\{-20, -16, -12, 4, 8\}$	$\{-2, -1, 3, 4, 5\}$