

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

L2S1

## Domain and Range - Function

Write the range of each function for the given domain.

1)  $f(x) = -x^5 - 3x^4 - x^3 + x^2 + x - 95$

Domain =  $\{-4, -3, -2, 2, 3\}$

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

2)  $f(x) = 9x^2 + \frac{2}{5}x + 1$

Domain =  $\{-10, -5, 1, 10\}$

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

3)  $f(x) = -2x^2 + x + 88$

Domain =  $\{-12, 0, 6, 11\}$

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

5)  $f(x) = \frac{-3x^3 + 7x - 63}{7}$

Domain =  $\{-7, -3, -1, 1, 2\}$

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

7)  $f(x) = 5 + 8x$

Domain =  $\left\{-\frac{5}{8}, -\frac{1}{4}, 0, \frac{1}{6}\right\}$

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

8)  $f(x) = \sqrt{-x^5 + x^3 + x^2}$

Domain =  $\{-5, -3, -1\}$

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

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$x + 5$   
 $\left\{0, \frac{1}{6}, \frac{5}{6}, 1\right\}$

$\{-11, 9, 13\}$