

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

L2S2

## Domain and Range - Function

Write the range of each function for the given domain.

1)  $f(x) = \frac{-9x - 2}{3}$

Domain =  $\left\{-\frac{2}{3}, -\frac{1}{3}, 0, \frac{5}{6}\right\}$

2)  $f(x) = (2x - 25)^2 - 78$

Domain =  $\{-3, 1, 9, 12, 19\}$

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

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

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

Domain =  $\{-20, -15, 3, 5,$

$6, 7, 11\}$

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

5)  $f(x) = x^4 + 9x^3 - 9x^2 - x$

Domain =  $\{-10, -9, -6, 1,$

$\}$

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

7)  $f(x) = 2\sqrt{(x-1)^2 + (x+12)}$

Domain =  $\{-12, 4, 13\}$

8)  $f(x) = -\frac{1}{4}x^5 - x^4 + x^3 - 7x + 90$

Domain =  $\{-6, -4, -2, 4\}$

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

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

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