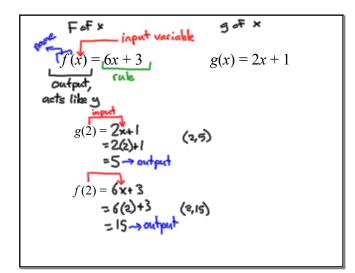


Function - A rule or a map which assigns each value of the domain to exactly one value of the range. Domain - set of all possible inputs, usually xs. Range - set of all possible outputs, usually ys (1,2)(-1,2)(-20,2)



Find the Range of each function.
1)
$$g: x \longrightarrow 5x + 1$$
 $D = \{-1, 0, 1\}$
9(4) = 5(4) + 1 = -4
9(4) = 5(4) + 1 = 1
 $R = \{-4, 1, 6\}$
9(1) = 5(1) + 1 = 6

9)
$$P(z) = z^2 - 5z - 6$$
 $D = \{2, 3, 4\}$
 $P(z) = (z)^2 - 5(z) - 6$
 $-10 - 6$
 -12
 $P(z) = (z)^2 - 5(z) - 6 = 7 - 15 - 6 = -12$
 $P(4) = (4)^2 - 5(4) - 6 = 16 - 20 - 6 = -10$
 $R = \{-12, -10\}$

Find the values for each given function with the set of
real numbers as the domain.
23)
$$f(7) = (7)^2 + 3(7)$$

49+21
70
b) $f(-7) = (-7)^2 + 3(-7)$
49+21
70
c) $f(-3) = (-3)^2 + 3(-7)$
49-21
28
c) $f(-3) = (-3)^2 + 3(-3)$
9-9

