

7-2 HW – Solving Systems of Equations by Substitution

Solve the system of equations using substitution.

1. $x + y = 7$
 $y = 6x$

6. $x = 4y + 17$
 $3x - 4y = 11$

2. $3x + 2y = 14$
 $y = x + 2$

7. $-8x + 5y = 11$
 $x = y - 1$

3. $x + 3y = 1$
 $x = -5 - 6y$

8. $3x - 21 = y$
 $y + 2x = 1$

4. $y + 4x = -1$
 $x = -14 - 3y$

9. $5x + 3y = 11$
 $y = -x + 3$

5. $x = -y + 9$
 $5x - 2y = -4$

10. $3x - 2y = 6$
 $x = 5y - 11$

Review:

For the following **Exponential Functions**:

- a) Write the recursive equation
- b) Write the explicit
- c) Answer the question provided

11.

x	$f(x)$
5	12
6	24
7	48

a)

b)

c) Find $f(12)$

12.

x	$f(x)$
-5	7
-4	$\frac{7}{3}$
-3	$\frac{7}{9}$

a)

b)

c) Find $f(-7)$

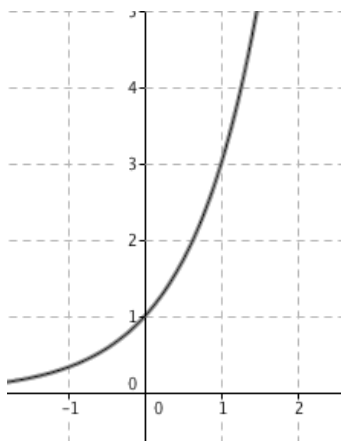
13. When it passes through the points $(3, 5)$ and $(4, 35)$

a)

b)

c) Find $f(12)$

14.



a)

b)

c) Find $f(12)$