Assessment Key

Isolating Variables

1) Solve for y, $\frac{5x+3y}{4}=1$
   Answer: y= (4-5x)/3

2) Solve for y, x= (y+2) ÷ 3
   Answer: y=3x-2

Systems of Equations

1) 5x +y = 9
   10x – 7y= -18
   Answer: (1,4)

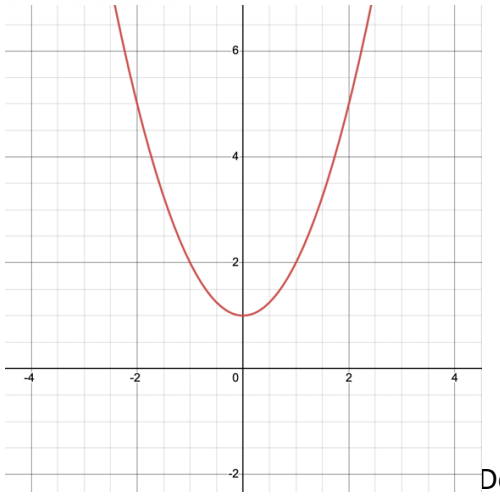
2) -3x +3y = 3
   -5x+y=13
   Answer: (-3, -2)

Domain and Range

Assessment Key

1) What is the domain and range of this graph?

$y = x^2 + 1$



Domain: (-∞,∞)

Range: (1, ∞)

Order of Operations

1) What is the correct order of the order of operations?

Parenthesis

_____

Exponents

_____

Multiplication Division

_____ & _____

Addition Subtraction

_____ & _____

Challenge Problem: Solve for x

$$\frac{x + 3(y - 4)}{8} = 3$$

Answer: x= -3y+36