Midterm Review Day 2
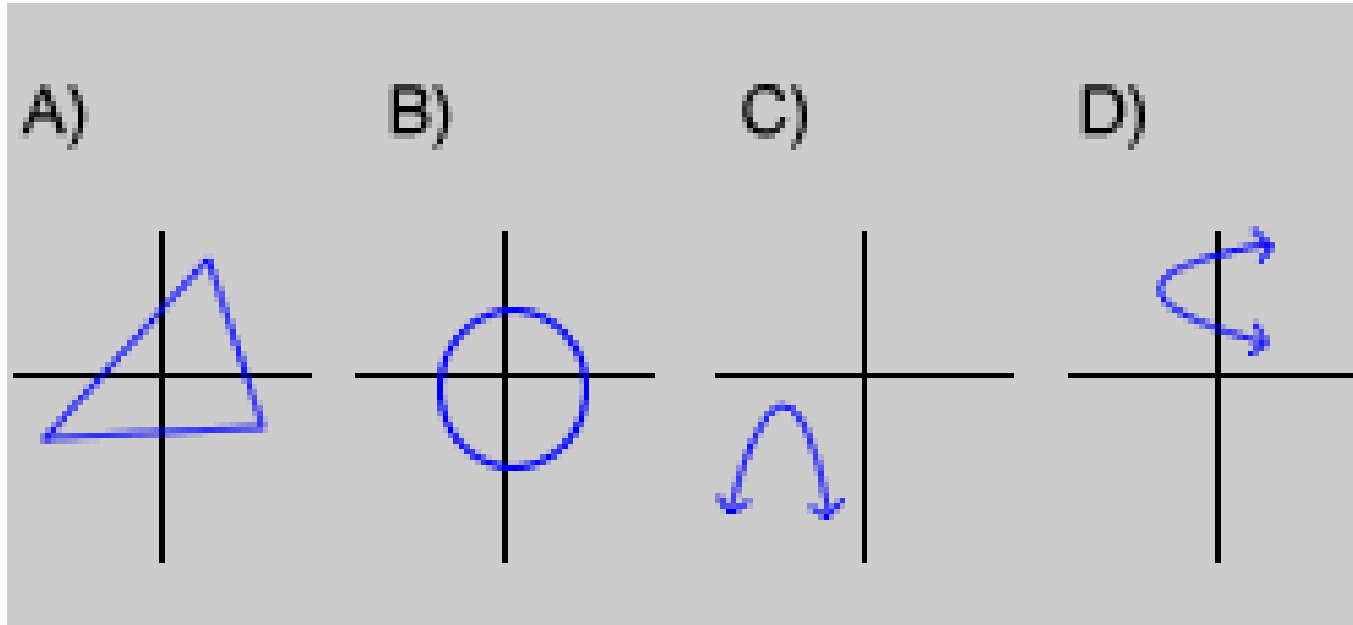
Which of the following do NOT represent a function?

Find the slope of the line that passes through the points (4,-7) and (2,1)

What is the slope of the function?

$$y = 4x + 2$$

What is the y-intercept of the function?

$$y = 4x + 2$$

Sue was paid $150 for 10 hours of babysitting and $45 for 3 hours of baby sitting. What is the rate of change that describes this relationship?

Solve the equation $7 - x = 10$

Which of the following are linear functions?

a. $-x^2 + 1$

b. $3x + 2 = 7$

c. $4x + 3 = 12$

d. $y = 2x + 3$

e. $y = \dfrac{5}{x} - 2$

Solve the equation $\dfrac{10-x}{4} = -2$

Solve the equation $\frac{1}{3}x + 2 = \frac{2}{3}(x - 2)$

Find $-3(-2)(4) - 7$

Solve and Graph

$$3x + 4 > 10$$

$$\frac{1}{2}x + 2 < 5$$

Simplify $\frac{1}{3} \div 9$

Add $\dfrac{1}{4} + \dfrac{1}{5}$

Find the slope

$$4x + 3 - 2x + 4 - 2(y - 1) = 3x + 7y$$

Find the y-intercept

$$4x + 3 - 2x + 4 - 2(y - 1) = 3x + 7y$$