3. Which systems of linear equations has a solution of (-2, 1)?

$$(A)2x + 3y = -1$$

$$x - y = -3$$

$$B_1 2x + 3y = 1$$

$$8.2x \pm 3v = -1$$

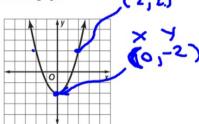
$$x-y=1$$

$$+3v = 1$$

D.
$$2x + 3y = 1$$

 $x - y = -3$

6. What is the equation of the quadratic function shown in the graph?



$$y = x^2 - 2$$

$$Hy = 2x^2$$

$$I y = \frac{1}{2} x^2$$

7. SHORT ANSWER Find the x- and y-intercepts of the linear equation below.

$$4x - 5y = 20$$

9. What is the domain of the function shown in the table?

х	-4	-2	0	2	4
у	-3	7	5	0	-1

10. A tank contains 550 gallons of water. When the valve is opened, the tank drains at a rate of 12 gallons per minute. Which function shows the relationship between the time t the valve is opened and the amount of water in the tank?

$$\mathbf{F.} \ \underline{A}(t) = -12t + 550$$

$$G. A(t) = 12t + 550$$

$$H. A(t) = 12 + 550t$$

I.
$$A(t) = -12 + 550t$$

11. Which relation is *not* a function?

A.	х	-2	0	2	4	6
	у	3	3	3	3	3

В.	х	-3	0	2	-3	1
	v	-5	4	2	0	-

C.	х	1	2	3	4	5
	у	1	2	3	4	5

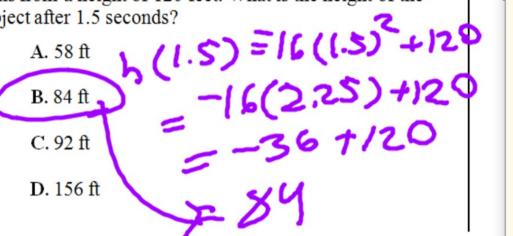


8. What is the slope of the line that passes through $\underline{M}(-6, 1)$ and $\underline{N}(2, 5)$?

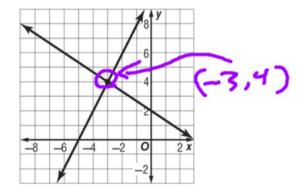
$$\frac{M(-6, 1) \text{ and } N(2, 5)?}{A \cdot 2} = \frac{44}{3} = \frac{1}{2 - (-4)}$$

$$\underline{\underline{C}}_{-\frac{1}{2}}$$

15. The quadratic function $h(t) = -16t^2 + 120$ represents the height of an object in feet t seconds after when it falls from a height of 120 feet. What is the height of the object after 1.5 seconds?



12. What is the solution to the system of linear equations shown below?





19. Which of the following equations represents a horizontal line?

$$\mathbf{F} \cdot \mathbf{y} = \mathbf{x}$$

G.
$$y = -x + 1$$

H.
$$y = -12$$

I.
$$x = 5$$

