Consider the following set of ordered pairs   {(-4,5), (2,-6), (-3,-6), (2, 5)}:

1. What is the domain of the set? _____

2. What is the range of the set? _____

3. Is this relation a function?  EXPLAIN!

4. Which table contains only values that satisfy the following?

$$y = x + 3$$

| x | y |
|---|---|
| -3 | 2 |
| -1 | 4 |
| 0 | -3 |
| 1 | -4 |

| x | y |
|---|---|
| -3 | 0 |
| -1 | 2 |
| 0 | 3 |
| 1 | 4 |

5. Which table contains only pairs that satisfy the equation $y = 4x - 6$

A)

| x | -1 | 0 | 2 | 3 |
|---|---|---|---|---|
| y | -10 | -6 | 2 | 6 |

B)

| x | -2 | 0 | 1 | 2 |
|---|---|---|---|---|
| y | 6 | -6 | -2 | -1 |

C)

| x | -3 | -2 | 1 | 2 |
|---|---|---|---|---|
| y | 18 | 10 | 2 | 2 |

D)

| x | -1 | 1 | 3 | 5 |
|---|---|---|---|---|
| y | -2 | -10 | -18 | -26 |

6. Which equation is represented by the table?

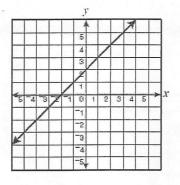| x | y |
|---|---|
| -3 | 0 |
| -2 | 1 |
| -1 | 2 |
| 1 | 4 |

a. $y = x + 2$

b. $y = -x + 3$

c. $y = x + 3$

d. $y = -\frac{1}{2}x + 2$

7. Which table matches the graph?



A.

| x | y |
|---|---|
| -2 | 3 |
| 0 | 2 |
| 2 | 1 |
| 4 | 0 |

B.

| x | y |
|---|---|
| -4 | -2 |
| -3 | -1 |
| -1 | 1 |
| 2 | 4 |

C.

| x | y |
|---|---|
| -1 | 4 |
| 1 | 2 |
| 3 | 0 |
| 4 | -1 |

D.

| x | y |
|---|---|
| -3 | 0 |
| -2 | 1 |
| -1 | 2 |
| 1 | 4 |

8. Which equation matches the graph?

a. $2x = y$

b. $x + 1 = y$

c. $-x + 3 = y$

d. $1.5x = y$