1. Lisa went for a long walk. For the first hour she walked 10 miles per hour. For the next three hours she walked only 6 miles per hour. Fill-in the following piece-wise function:

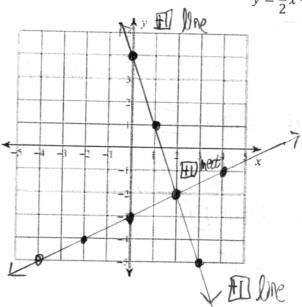


 $d(t) = \left\{ \begin{array}{c} t \not t \\ \hline 6(t-1) + 10, \text{ when } 0 \leq t \leq 1 \end{array} \right.$

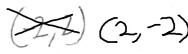
- 2. Solve the following system of equations by graphing on the coordinate plane below.

$$y = -3x + 4$$
$$y = \frac{1}{2}x - 3$$





HD Answer correct



3. Solve the following system of equation by the substitution method.

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H) Substitution used

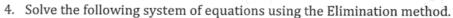
III Substitum. $3 \times + (2 \times + 6) = 16$ $3 \times + 2 \times + 6 = 16$ -6 = 6 -6 = 7 = 10 4 = 2(2) + 6 4 = 16 4

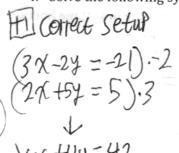
X=2

y = 2x + 6

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$$2x + 5y = 5$$

$$19y = 57$$

$$19$$

$$19$$

$$19$$

$$19$$

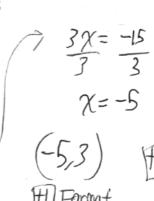
$$19$$

$$3x - 2(3) = -21$$

$$3x - 6 = -21$$

$$3x - 6 = -21$$

3x - 2y = -21



5. Classify the following system of equations. How many solutions does it have?



$$2x + y = 2$$

$$4x + 2y = -4$$



6. Classify the following system of equations. How many solutions does it have?

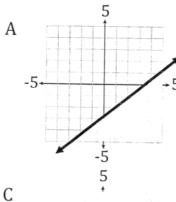


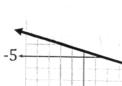
$$2x + y = 2 \text{ Not parallel}$$

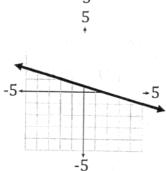
$$x + y = 3 \text{ Not Some line}$$
ONE Solution IFI

7. Which of the following is the graph of $y \ge -2x + 1$?

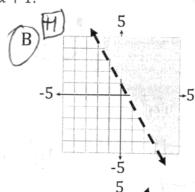


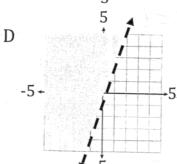






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