Name:

Date:

School:

Facilitator:

2.03: Linear Equations from Graphs

# Total Points: 40

1. Write an equation of a line in slope intercept form using the graph below.



Work:

Answer:

2. Write an equation of a line in slope intercept form using the graph below.


Work:

Answer:

3. Write an equation of a line in slope intercept form using the table of values below.

|  |  |
| --- | --- |
|  **x** |  **y** |
|  - 2 |  7 |
|  - 1 |  5 |
|  0 |  3 |
|  1 |  1 |
|  2 |  - 1 |

Work:

****Answer:

4) Write an equation of a line in slope intercept form using the table of values below.

|  |  |
| --- | --- |
|  **CD’s** **Sold** |  **Profit in $** |
|  10 |  50 |
|  15 |  75 |
|  18 |  90 |
|  20 |  100 |
|  25 |  125 |

Work:      Answer:

5) Using your equation from problem 4, how many CDs must you sell to earn a minimum profit of $2000?

Work:      Answer:

6) Write the equation in slope intercept form. 3x – 2y = 9

7) Write the equation in slope intercept form. 4x + 2y = -10