Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Math 8

Cumulative Review # 2.7

**Show work for all questions for full credit**

**& write your answers on the lines provided!!!**

*(If you feel no work is needed you must explain your reasoning)*

|  |  |  |
| --- | --- | --- |
| 1. | Which ordered pair is NOT a solution to 2x + 3y = 12? | |
|  | A. | (0, 4) |
|  | B. | (3, 2) |
|  | C. | (2, 3) |
|  | D. | (6, 0) |

1 .\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| 2. | Simplify 4n + 2(3n – 5) – 8 + n | |
|  | A. | 8n – 13 |
|  | B. | 9n – 8 |
|  | C. | 10n – 2 |
|  | D. | 11n – 18 |

2 .\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| 3. | Joseph bought a new skateboard from a catalog. The price of the kit was $124.95. The state sales tax of 7% was added, and then a $15 charge for shipping was added after the sales tax. What wad the total amount Joseph paid, including tax and shipping? |

3 .\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| 4. | Shelly bought 2 packages of paper for $5.80 each and 4 notebooks. She spent a total of $32 for the packages of paper and the notebooks. Write and solve an equation to find the cost of 1 notebook. |

4 .\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| 5. | Solve graphically the system of equations |
|  | y + 2x = 3  y = 2x – 1 |

5 . (\_\_\_\_\_, \_\_\_\_\_)