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

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

Cumulative Review #3.4

**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. |  | |
|  | A. | Reflection over the x-axis and translation 2 units down |
|  | B. | Reflection over the y-axis and translation 2 units down |
|  | C. | Translation 2 units down and 90˚ rotation about the origin |
|  | D. | Translation 12 units right and 90˚ rotation about the origin |

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

|  |  |  |
| --- | --- | --- |
| 2. | Hannah went up 340 feet while hiking. If Hannah started at 100 feet below sea level, which integer represents her elevation now? | |
|  | A. | 240 |
|  | B. | 440 |
|  | C. | -240 |
|  | D. | -440 |

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

|  |  |
| --- | --- |
| 3. | Simplify  (Solution must be a fraction for full credit) |

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

|  |  |
| --- | --- |
| 4. | What is the slope of the line that passes through the points (3,4) and (-2, 2)? |

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

|  |  |
| --- | --- |
| 5. | A crew of highway workers paved mile in 20 minutes. If they work at the same rate, what portion of a mile will they pave in one hour? |

5 .\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_