Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_

Algebra 2 Honor Spiral 21 - Review

|  |  |
| --- | --- |
| Variation and Graphing Simple Rational Functions | |
| |  |  | | --- | --- | | HA: VA: X-int: Y-int: | 1. The level of Mrs. Giaquinta’s anger is jointly related to the number of students who refused to do their homework and the number of missing chairs. If there were 3 missing chairs and 10 students refusing to do their homework, Mrs. Giaquinta’s anger was at a 10. What level was Mrs. Giaquinta’s anger at if there were 10 missing chairs and 4 students refusing to do their homework? | | |
| Simplifying Rational Expressions | |
|  |  |
| Rational Equations; Sequences | |
| 1. Give the next two terms of the sequence below, then write the general rule.   2, 8, 32, …. | 7. Solve for x. Check for extraneous solutions. |
| 1. Write a general rule for the sequence below. Then find the 8th term.   1, 1.5, 2.25, … | 8. Solve for x. Check for extraneous solutions. |
| Series | |
| 9. Find the sum of the series:  a.  b. | 10. Find the sum of the series, if possible:  a.  b. |