

Name _____
Mr. Schlansky

Date _____
Algebra II

Power of i

Evaluate each of the following:

1. i^{11}

2. i^{33}

3. i^{74}

4. i^{92}

5. i^{115}

6. i^{341}

7. i^{708}

8. i^{214}

9. $2i^{38}$

10. $-4i^{28}$

11. $-6i^{103}$

12. $7i^{207}$

13. $2i^{19} + 3i^{24}$

14. $5i^{97} - 6i^{23}$

15. $4i^{104} + 2i^{331}$

16. $-2i^{34} - 3i^{224}$

$$17. 2xi^{15} - 6xi^{20}$$

$$18. 3mi^{47} - 2mi^{98}$$

$$19. 3xi^{65} - 2xi^{92} - 4xi^{11}$$

$$20. -2yi^{87} + 3xi^{41} - 7xi^{117}$$

$$21. -2ai^{49} - 3bi^{27} + 3ai^{225}$$

$$22. 6ki^{28} + 4pi^{31} - 8pi^{73}$$

$$23. 8xi^{10} - 4yi^{19} + 2yi^3 - 6xi$$

$$24. 3xi^{39} + 3yi^9 - 5yi^{83} + 2xi^{214}$$