Name _____   Date _____ Per. _____
GSE Algebra II   Powers of i Worksheet
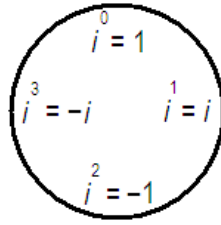
U1 1.1a   **Simplify powers of i**

In 1 – 15, write each given power of i in simplest terms as 1, i, –1, or –i. Show how you arrived at your answer. Box answer.

1. i^{12}	2. i^{7}	3. i^{49}
4. i^{72}	5. i^{54}	6. i^{99}
7. i^{300}	8. i^{246}	9. i^{91}
10. i^{473}	11. i^{1331}	12. i^{2001}
13. $i^{8} + i^{9} + i^{10}$	14. $i^{8} \cdot i^{9} \cdot i^{10}$	15. $2i^{2} \cdot (3i)^{3}$