Name:_____

Period:_____Date:_____

Imaginary Numbers Answers

Section I. **Find the Square Root. Make sure your answer is in simplest terms**

1. $\sqrt{-25}$ $5i$

2. $\sqrt{-81}$ $9i$

3. $\sqrt{-64}$ $8i$

4. $\sqrt{-324}$ $18i$

5. $\sqrt{-225}$ $15i$

6. $\sqrt{-49}$ $7i$

7. $\sqrt{-100}$ $10i$

8. $\sqrt{-\frac{25}{100}}$ $\frac{1}{2}i$

9. $\sqrt{-4}$ $2i$

10. $\sqrt{-\frac{4}{49}}$ $\frac{2}{7}i$

11. $\sqrt{-50}$ $5i\sqrt{2}$

12. $\sqrt{-27}$ $3i\sqrt{3}$

13. $\sqrt{-121}$ $11i$

14. $\sqrt{\frac{-100}{361}}$ $\frac{10}{19}i$

15. $\sqrt{-72}$ $6i\sqrt{2}$

16. $\sqrt{-180}$ $6i\sqrt{5}$

17. $\sqrt{-289}$ $17i$

18. $\sqrt{-108}$ $6i\sqrt{3}$