

Name _____
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Date _____
Algebra II

Imaginary Numbers

Reduce the following radicals

1. $\sqrt{-64}$

2. $\sqrt{-50}$

3. $\sqrt{-45}$

4. $\sqrt{-75}$

5. $\sqrt{-20}$

6. $\sqrt{-54}$

7. $\sqrt{-162}$

8. $\sqrt{-32}$

Solve the following equations

9. $x^2 + 4 = 0$

10. $x^2 + 16 = 0$

11. $x^2 + 49 = 0$

12. $x^2 + 1 = 0$

13. $x^2 + 24 = 0$

14. $x^2 + 90 = 0$

15. $x^2 + 80 = 0$

16. $x^2 + 99 = 0$

17. $x^2 + 15 = 0$

18. $x^2 + 56 = 0$