Accel. Geometry Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solving Quadratics Practice Date \_\_\_\_\_\_\_\_\_\_\_Per \_\_\_\_\_\_\_\_

Solve each equation by taking square roots, factoring, using the quadratic formula, or completing the square.

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| 1. $x^{2}+8=28$ | 2. $7x^{2}=-21$ |
| 3. $\left(4k+5\right)\left(k+1\right)=0$ | 4. $2x^{2}+x=5$ |
| 5. $n^{2}+16n=-7$ | 6. $x^{2}-11x+19=-5$ |
| 7. $x^{2}+8x+12=0$ | 8. $x^{2}-x=5x-9$ |
| 9. $x^{2}-2x-4=0$ | 10. $m^{2}-12m+26=0$ |

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| 11. $\frac{1}{4}(b-8)^{2}=7$ | 12. $6n^{2}-18n-18=6$ |
| 13. $5r^{2}-44r+120=-30+11r$ | 14. $n^{2}-4n=2n+35$ |
| 15. $b^{2}+2b=-20$ | 16. $(2r-5)^{2}=81$ |
| 17. $x^{2}-18x=-32$ | 18. $12s^{2}-5s=2$ |
| 19. $a^{2}+2a-3=0$ | 20. $3-4x^{2}=-85$ |
| 21. $2(x-3)^{2}=8$ | 22. $r^{2}-4r-91=7$ |