Name: _____ Date: _____ Period: _____

3.1 Solving Quadratics by Square Root Method CYU DAY THREE

☑ *Use when you get it right all by yourself*

S *Use when you did it all by yourself, but made a silly mistake*

H *Use when you could do it alone with a little help from teacher or peer*

G *Use when you completed the problem in a group*

X *Use when a question was attempted but wrong (get help)*

N *Use when a question was not even attempted*

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Solving Quadratics using the Square Root Method	6, 7, 8, 10, 13, 14, 15, 16, 19	1, 2, 3, 4, 5, 9	11, 12, 17, 18, 20
Simplifying Square Roots	1, 2	3, 4, 5	11, 12, 17, 18, 20

I. THIRD way: Square Root Method. Solve each equation by using the square root method. Show all work for full credit. Simplify your answer completely.

1. $r^2 = 96$

2. $x^2 = 7$

3. $x^2 = 29$

4. $r^2 = 78$

5. $b^2 = 34$

6. $x^2 = 0$

7. $a^2 + 1 = 2$

8. $n^2 - 4 = 77$

9. $m^2 + 7 = 6$

10. $x^2 - 1 = 80$

11. $4x^2 - 6 = 74$

12. $3m^2 + 7 = 301$

13. $7x^2 - 6 = 57$

14. $10x^2 + 9 = 499$

15. $(p - 4)^2 = 16$

16. $(2k - 1)^2 = 9$

17. $(6x + 2)^2 + 4 = 28$

18. $10(x - 7)^2 = 440$

19. $9(2m - 3)^2 + 8 = 449$

20. $4(6x - 1)^2 - 5 = 223$

CYU Reflection: *How far can you go: basic, intermediate, or advanced?*

Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.