Name: _____ Date: _____ Period: _____

5.4 Special Products CYU

☑ *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
FOILing Method	1 – 4, 7 – 10, 16 - 18	5, 6, 11 – 14, 24, 25	15, 19 - 23
Standard form of a polynomial expression	1 – 4, 7 – 10, 16 - 18	5, 6, 11 – 14, 24, 25	15, 19 - 23
Determining the degree of a polynomial expressions	1 – 4, 7 – 10, 16 - 18	5, 6, 11 – 14, 24, 25	15, 19 - 23

Use the FOILing Method to multiply. Write your answer in standard form. State the degree. Show all work to earn full credit.

1. $(x – 3)(x + 4)$

2. $(x + 2)(x – 5)$

3. $(5x – 7)(x – 2)$

4. $(4x – 9)(x – 1)$

5. $2(y + 6)(2y – 1)$

6. $3(x + 5)(3x – 1)$

7. $(3y + 1)^2$

8. $(4x – 1)^2$

9. $(g + 2)^2$

10. $(p – q)^2$

11. $(2x + 5)^2$

12. $(x^2 – 7y)^2$

13. $4(x + 4)(x – 4)$

14. $(6h + 7)(6h – 7)$

15. $\left(x - \frac{1}{4}\right)\left(x + \frac{1}{4}\right)$

16. $(2q – p)(2q + p)$

17. $(x - 5)(3x + 4)$

18. $(7x + 4)^2$

19. $(y - 0.6)(y + 0.6)$

20. $\left(y^4 + \frac{2}{5}\right)\left(3y^2 - \frac{1}{5}\right)$

21. $(a - 3)(a^2 + 2a - 1)$

22. $(x + 1)(x^2 + 5x - 2)$

23. $\left(x^2 - \frac{3}{7}\right)\left(3x^4 + \frac{2}{7}\right)$

24. $(b + 3)^2$

25. $(a^2 - 5b)^2$

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 yours elf.