Name: _____   **ILP#:_____**   **Due:_____**

Turn in with your Unit 3 Assignment if your instructor accepts Activities

<u>Math D Unit 3 Activity – Long Division – 10 points</u>

Complete each of the long division problems below on separate paper. Compare results and draw lines to match the problems in column A that have *THE SAME REMAINDER* to the problems in column B. Attach all work showing your long division (on separate paper) to this cover page. Hint: there are 4 matches.

<u>Column A</u>   <u>Column B</u>

1. $(h^2 + 3h + 1) \div (h + 2)$ 1. $(z^2 + 7z + 5) \div (z + 5)$

2. $\dfrac{6x^2 + 2x - 28}{3x + 7}$ 2. $\dfrac{5k^2 - 29k - 6}{5k + 1}$

3. $(6x^3 + 11x^2 - 4x - 9) \div (3x - 2)$ 3. $(3b^3 + b^2 + 17b - 46) \div (3b - 5)$

4. $\dfrac{4x^3 - 15x - 16}{x - 3}$ 4. $\dfrac{2x^3 - 10x - 41}{x - 4}$