



- c) Which two terms should you use to begin the division process? \_\_\_\_\_ and \_\_\_\_\_ Divide these two terms. What did you get? \_\_\_\_\_ Write your answer on the top of the division bar.
- d) Now multiply the term you just wrote above the long division bar with the divisor:  $2x - 5$ . What did you get? \_\_\_\_\_ Place the result under the first two terms of the dividend.
- e) Now subtract those two terms from the ones above. REMEMBER to subtract BOTH terms. What did you get? \_\_\_\_\_
- f) Bring down the next term.
- g) Repeat steps c) through f) as many times as necessary.
- h) Is there a remainder? What does that mean?

2) Divide  $27x^3 + 1$  by  $3x + 1$  using long division.