

MTH 121
Long Division Worksheet
Spring 2013

Use long division to divide. If there is a remainder, write the answer like this example.

$$\frac{x^2 - x + 3}{x + 1} = x - 2 + \frac{5}{x + 1}$$

1. $(x^2 + 3x - 4) \div (x + 2)$

2. $\frac{4x^2 - 4x + 1}{2x + 1}$

3. $(6x^3 + x^2 + 7x + 10) \div (3x + 2)$

4. $(15x^3 - x^2 - 11x - 3) \div (3x^2 - 2x - 1)$

5. $\frac{6x^4 - 3x^3 + 5x^2 + 2x - 6}{3x^2 - 2}$

6. $(9x^2 + 6x^3 + 4x + 4) \div (3x^2 + 2x + 2)$