**6.5 Dividing Polynomials**

**Long Division**

724 ÷ 3

|  |  |  |  |
| --- | --- | --- | --- |
| **1.)** | (3x2 + 11x + 1) ÷ (x – 3) | **2.)** | (x3 + 5x2 – 2) ÷ (x2 + 4) |

**Synthetic Division**

**3.)** (x3 – 14x + 8) ÷ (x + 4)