**Dividing Polynomials**

1. **Divide** $x^{3}-27 $**by** $x+3$

**Long Division Synthetic Division**

1. **Divide** $x^{3}-14x^{2}+51x-54 by x-2$

**Long Division Synthetic Division**

1. **Divide** $2x^{4}+6x^{3}+5x^{2}-45 by x^{2}-3$

**Long Division Synthetic Division**