

Name _____ Date _____ Period _____

13.2 – Synthetic Division

Use synthetic division to divide the following.

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

Solution: _____

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

Solution: _____

3. $(x^3 - 7x^2 - 7x + 20) \div (x + 4)$

Solution: _____

4. $(-2x^3 + 5x^2 - x + 2) \div (x + 2)$

Solution: _____

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

Solution: _____

6. $(x^3 + 27) \div (x + 3)$

Solution: _____