

5.4 ALG:3

I DIVIDE USING LONG DIVISION

1. $10x^2 + 14x - 15 \div 5x - 3$

2. $6x^2 + 13x + 8 \div 2x + 1$

3.
$$\frac{3x^3 - 8x^2 - 33x - 10}{3x + 1}$$

4. $16x^2 - 13x^3 + 2x^4 - 9x + 20 \div x - 5$

II DIVIDE BY USING SYNTHETIC DIVISION

1. $2x^2 - 6x - 8 \div (x + 1)$

2. $x^3 - 6x^2 + 11x - 6 \div x - 3$

3. $3x^2 + 19x + 20 \div x + 5$

4. $3x^3 + 10x^2 + 6x - 4 \div x + 2$