

Find each quotient.

1.
$$\frac{3x^3 + 5x^2 - 23x + 20}{x + 4} =$$

2.
$$\frac{8x^3 + 14x^2 - 13x + 2}{2x - 1} =$$

3. Is $x + 6$ a factor of $5x^3 + 19x^2 - 57x + 54$