

## Synthetic Division Worksheet

Name \_\_\_\_\_

Fill in the blanks below with the missing quotient and remainder.

$$1) \quad 3x^3 - 2x^2 + 7x - 4 = (x^2 + x - 1) \cdot \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

**quotient** **remainder**

$$2) \quad 3x^3 - 2x^2 + 7x - 4 = (x - 2) \cdot \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

**quotient** **remainder**

$$3) \quad 5x^3 - x^2 + 3x + 2 = (x + 1) \cdot \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

**quotient** **remainder**

$$4) \quad x^4 - 2x^3 + x - 1 = (x - 3) \cdot \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

**quotient** **remainder**