

Divide using long division. Write your answers in fraction and polynomial form.

1.
$$\frac{x^2 - 3x - 40}{x + 5}$$

2.
$$\frac{3x^2 + 7x - 20}{x + 4}$$

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

4.
$$\frac{2x^3 - 3x^2 - 18x - 8}{x - 4}$$

5.
$$\frac{9x^3 - 18x^2 - x + 2}{3x + 1}$$

6.
$$\frac{9x^2 - 21x - 20}{x - 1}$$

7.
$$\frac{x^2 - 7x + 10}{x + 3}$$