

Use polynomial long division to solve each of the following problems.

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

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

2. $2x^2 + 10x - 28 \div 2x + 14$

6. $16y^4 - 1 \div 2y - 1$

3. $x^2 - 87 \div x + 9$

7. $4x^3 - 5x^2 + 3x + 2 \div x + 1$

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

8. $x^4 - x^2 + 2 \div x - 1$