

Divide by using long division.

1) $(x^2 + 2x + 6) \div (x - 3)$

2) $(3x^2 + 3x - 12) \div (x + 2)$

Answer: _____

Answer: _____

3) $(4x^3 + 6x^2 + 3x) \div (2x + 1)$

4) $(10x^4 - 20x^3 + 25x^2) \div (5x^2)$

Answer: _____

Answer: _____

Divide by using synthetic division.

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

2) $(x^2 + 4x - 2) \div (x - 3)$

Answer: _____

Answer: _____

3) $(x^2 + 4x + 1) \div (x - 5)$

4) $(-6x^2 + 5x - 10) \div (x + 7)$

Answer: _____

Answer: _____