

## Synthetic Division HW

Divide using synthetic division.

1.  $(x^2 + 5x + 6) \div (x + 1)$

2.  $(x^4 + 6x^3 + 6x^2) \div (x + 5)$

$(x^4 + 6x^3 + 6x^2 + 0x + 0) \div (x + 5)$

3.  $(x^2 + 9x + 6) \div (x + 8)$

4.  $(2x^2 + 3x - 20) \div (x - 2)$

5.  $(2x^2 + 13x - 8) \div (x - \frac{1}{2})$

6.  $(4x^2 + 5x + 1) \div (x + 1)$