4-4 FACTORING BINOMIALS
using DIFFERENCE OF SQUARES

Completely factor (if possible) each expression by using the DIFFERENCE OF SQUARES method.

1. \(x^4 - 25\)
2. \(25x^4 - 16\)
3. \(-x^4 - 9\)

4. \(x^8 - 49\)
5. \(x^8 - 100\)
6. \(-9x^8 + 4\)

7. \(64x^4 - 36\) THIS ONE IS TRICKY.
8. \(x^8 - 81\) THIS ONE IS TWICE THE WORK.
9. \(16x^8 - 1\) BE CAREFUL WITH THIS ONE.