1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. Which positive real number is 4 less than its own reciprocal? Express your answer as a common fraction in simplest radical form.

10. How many two-digit positive integers have exactly 12 positive divisors?

Extra: Let F_n denote the n-th Fibonacci number, where $F_1 = F_2 = 1$ and $F_n = F_{n-1} + F_{n-2}$ for all integers n. How many digits does $\gcd(F_{308069}, F_{451631})$ have? [Each member of your team gets 1 token for being within 20% of the answer, an additional token for being within 10% of the answer, and an additional token for getting the exact answer.]