

Name _____

- No calculators are allowed.

1. (1 point each) Circle **T** for true or **F** for false for each of following statements. No explanation is necessary.

(a) **T** or **F** – $6|32$

(b) **T** or **F** – 90090090090090090011100900009 is a multiple of 3

(c) **T** or **F** – 90090090090090090011100900009 is divisible by 9

(d) **T** or **F** – 4 is a divisor of 37439277645972398347928387347340

(e) **T** or **F** – 7 is a factor of 21000700035

(f) **T** or **F** – 1 is a prime number

(g) **T** or **F** – 103 is a prime number

(h) **T** or **F** – 143 is a prime number

2. (2 points) Find the prime factorization of 360.