

WARMUP QUIZ

SPY GAMES CAMP, 2014

1. What is an integer?
2. What is $\log_2 16$?
3. List the first 6 prime numbers.
4. If it is 5:00 now, what time will it be 33 hours from now?
5. Compute the remainder of $5 \cdot 9 \cdot 7 \cdot 13 \cdot 17$ after division by 4, show your work.
6. Is 5 equivalent to 11 modulo 7? If not, state a number that is equivalent to 5 modulo 7.
7. Find y so that 2^y is equivalent to 3 modulo 5.