reciprocal

Pre-Lab Quiz:	
<ul> <li>1. How many flip-flops do you need to implement an N-bit counter?</li> <li>N/2 for even N, (N+1)/2 for odd N</li> <li>N<sup>2</sup></li> <li>1</li> <li>N</li> </ul>	
<ul> <li>2. Synchronous construction reduces the delay time of a counter to the delay of:</li> <li>all flip-flops and gates</li> <li>all flipflops and gates after a 3 count</li> <li>a single gate</li> <li>a single flip-flop and a gate</li> </ul>	
<ul> <li>3. What is the difference between combinational logic and sequential logic?</li> <li>Combinational circuits are not triggered by timing pulses, sequential circuits are triggered by timing pulses.</li> <li>Combinational and sequential circuits are both triggered by timing pulses.</li> <li>Neither circuit is triggered by timing pulses.</li> </ul>	e
<ul> <li>4. A BCD counter is a?</li> <li>binary counter</li> <li>full-modulus counter</li> <li>decade counter</li> <li>divide-by-10 counter</li> </ul>	
<ul> <li>5. When two counters are cascaded, the overall MOD number is equal to the of the individual MOD numbers?</li> <li>product</li> <li>sum</li> <li>log</li> </ul>	ir