

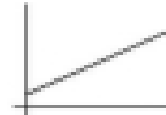


## Physics Lab Quiz

### A. Multiple Choice

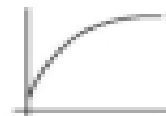
1. What does the graph on the right show?

- A a decreasing slope       C an increasing slope  
 B a constant slope       D variable slope



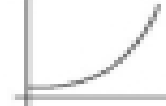
2. What does the graph on the right show?

- A an increasing slope       C an increasing relationship  
 B a constant slope       D an exponential relationship



3. What does the graph on the right show?

- A an increasing slope       C a decreasing relationship  
 B a constant slope       D an inverse relationship



4. You are asked to compare two masses: 2.43 kg and 2.27 kg. What is the percentage difference between these two values?

- A 6.58%       C 0.16%  
 B -66.9%       D 7.06%

5. You are asked to compare an experimental value of 2.90 N to the accepted value of 2.78 N. What is the percentage error between these two values?

- A 4.32%       C 4.14%  
 B 66.7%       D 12%

6. You get a percentage error that is negative. What does that mean?

- A The experimental value is higher than the true value.  
 B The experiment was a failure and should be repeated.  
 C The experimental value is lower than the true value.  
 D You made a mistake in the calculation of the percentage error.