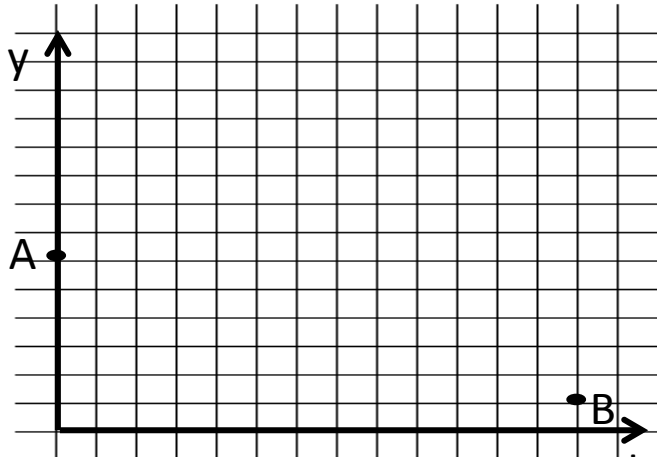
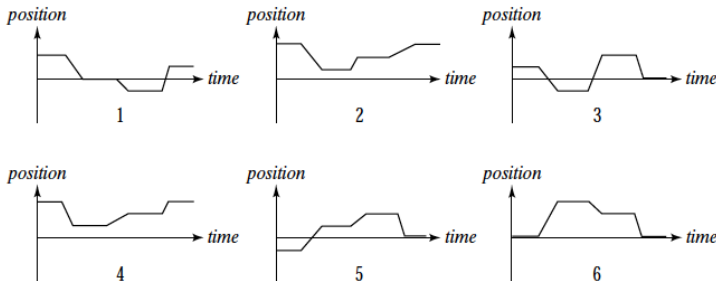
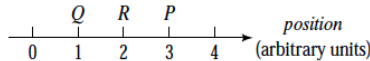


Quiz 1C (Pink): Motion

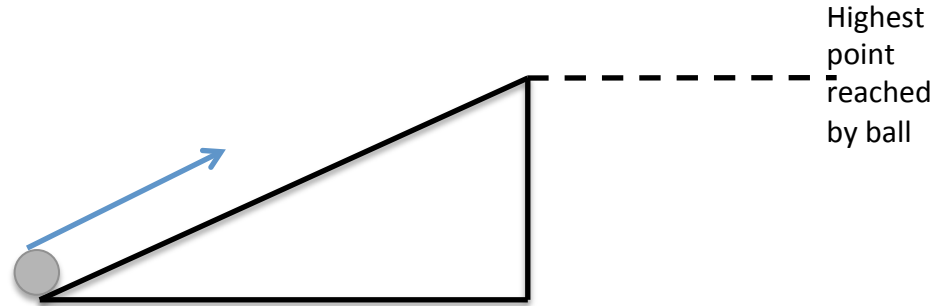
- 1 Throw ball upward from point A. When the ball is on its way down, catch it at point B which is lower than A. Plot position vs time. (3 pts)



- 2 A person initially at point P in the illustration stays there a moment and then moves along the axis to Q and stays there for a moment. She then strolls slowly to R, stays there a moment, and then runs quickly back to P. Which of the position vs. time graphs below correctly represents this motion? (3 pts)



- 3 You launch a ball with some initial velocity up a ramp. The ball slows down, *barely making it to the top of the ramp*, then falls off, hits the ground below and rebounds. Draw a complete **motion diagram** of the ball from the time it is released until it hits the ground. Be sure to show the acceleration at the lowest point! (4 pts)



Ground