**The following questions ask you to find a location of specific information in the lecture. Please indicate your answer by indicating the time in the video (e.g. 3:08). Please indicate the start time of where the specific information is mentioned. Please notify us when you start and finish each problem.**

**Proving Trigonometry Formulas from Euler’s Formula (Lee Stemkoski)**

**1. Find the point in the lecture where it introduces the property that ‘if , then , and ’ is introduced.**

**2. Find the point in the lecture where the double angle formula for is introduced.**

**3. Find the point in the lecture where the property that ‘ is an even function’ is used.**

**4. Find the point in the lecture where the instructor strikes out part of an equation, where terms add up to eliminate each other. (Visual)**

**Fundamental Theorem of Calculus (Khan Academy)**

**1. Find the point in the lecture where it introduces an application problem to use the fundamental theorem of calculus.**

**2. Find the point in the lecture where it introduces a point *x* inside the domain [*a*,*b*] of function *f*.**

**3. Find the point in the lecture where the condition for a function to have an antiderivative is stated.**

**4. Find the point in the lecture where the instructor fills in (colors) a region under the curve of graph . (Visual)**

**Uniform Distribution (Actuarial Path)**

**1. Find the point in the lecture where the equation for the Moment Generating Function of X, is introduced.**

**2. Find the point in the lecture where the for x > b is stated for the first time without derivation.**

**3. Find the point in the lecture where for a<x<b is expressed as an integral.**

**4. Find the point in the lecture where the height of the graph of f(x) is denoted with a variable on the graph for the first time. (Visual)**