

This is a scanned page from a handwritten mathematics notebook. The page contains numerous mathematical calculations, mostly in black ink, with some red ink used for annotations, checkmarks, and X's. The content covers topics such as probability distributions, expected values, and differential equations. Red checkmarks are placed next to many of the worked-out problems, while red X's are placed next to others, likely indicating completed or incorrect work respectively. The handwriting is cursive and dense, typical of a student's notes.