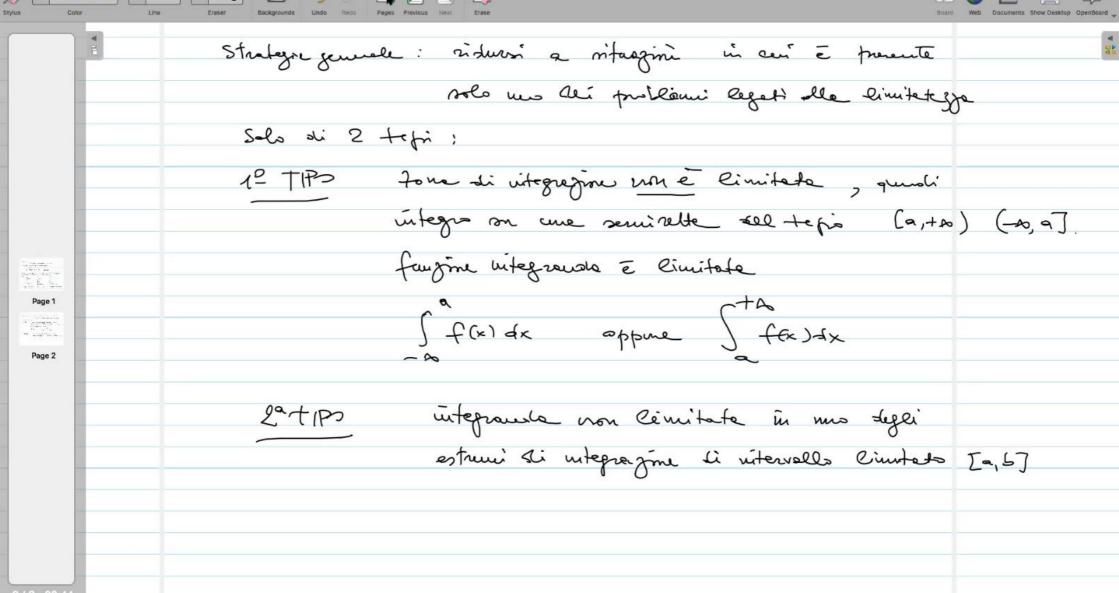
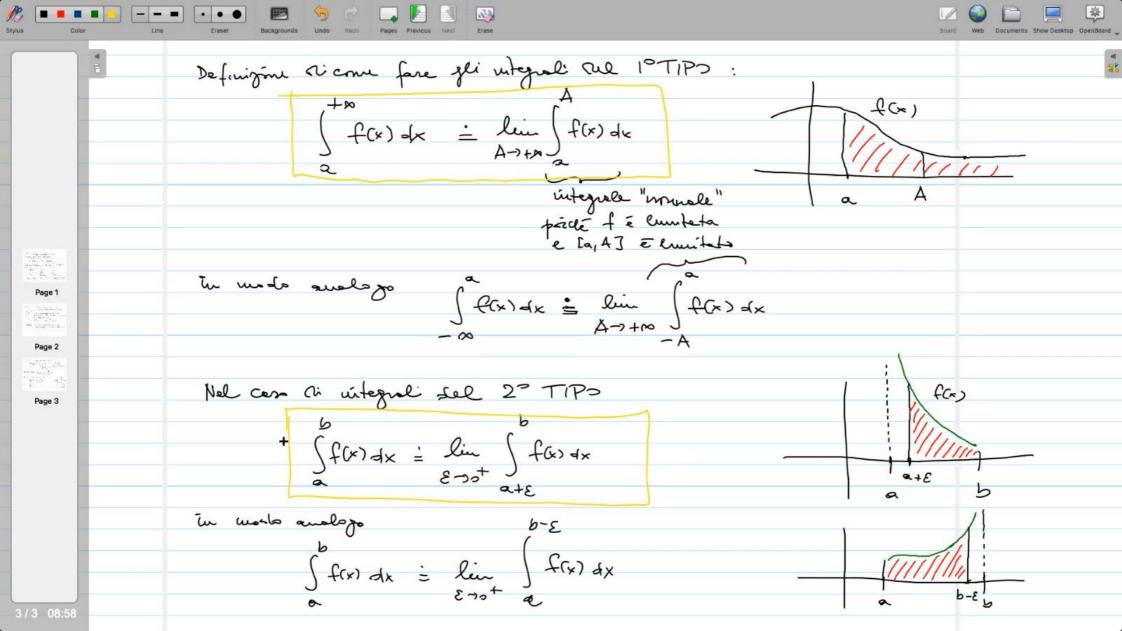
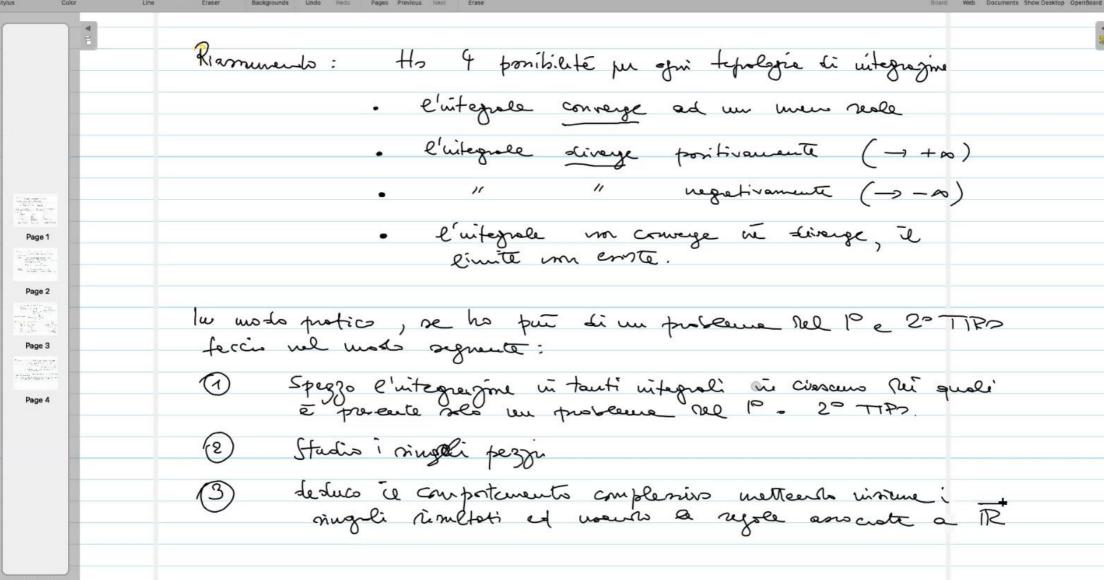
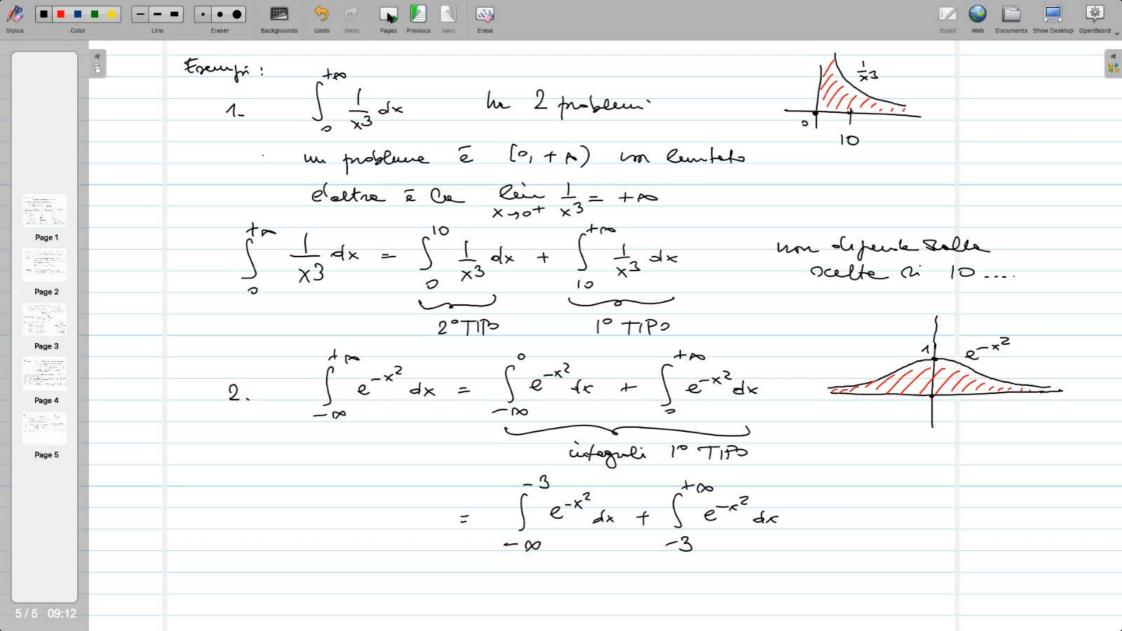
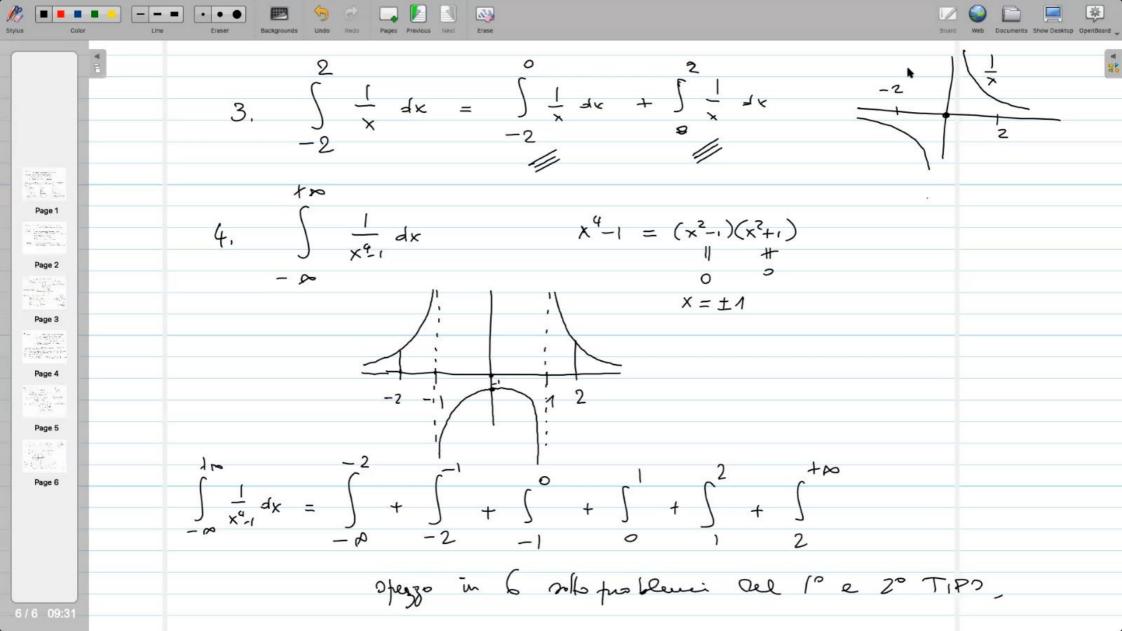
lezione 21º Integrazione zeneralizzata (IMPROPIRIA) 2 tigredienti cucale vell'uitegrapione (proprie) · utervelle di vitegragine è l'imfato · faujone uitagamente é envitable lutegregine un proprie à quando deneus uns lei sur injentientes dell'untegragine Riemanniana von à soldisfatto $\int \frac{1}{x^3} dx$ integranda limitata integrande um lanitete integrande un limitato intervallo um limitalo intervalle cimilato uitervells non Cincitato



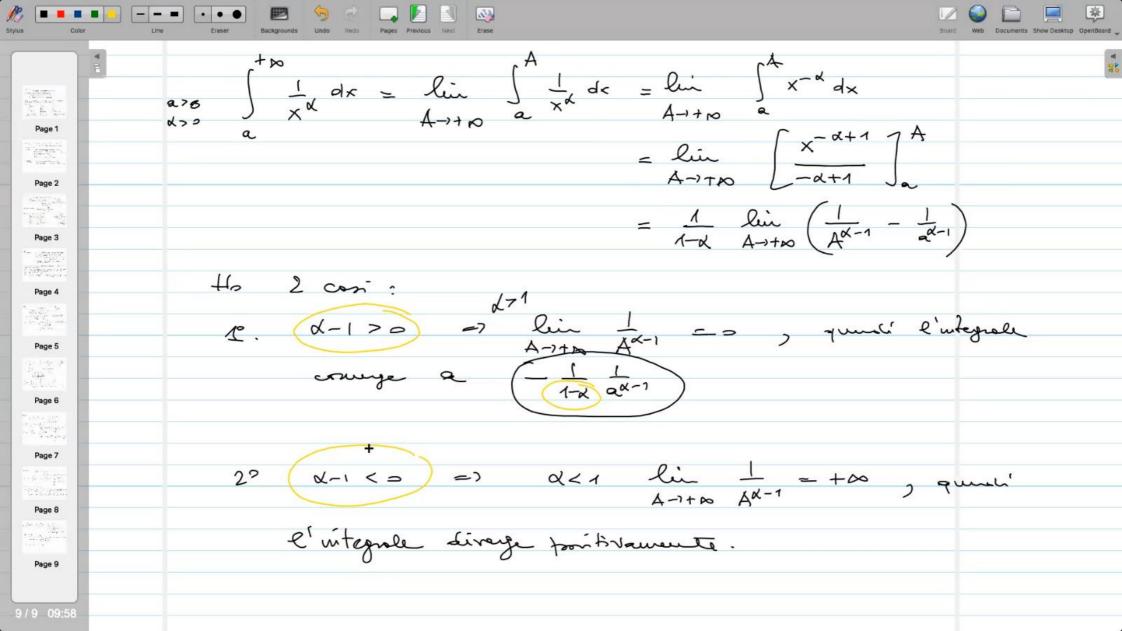


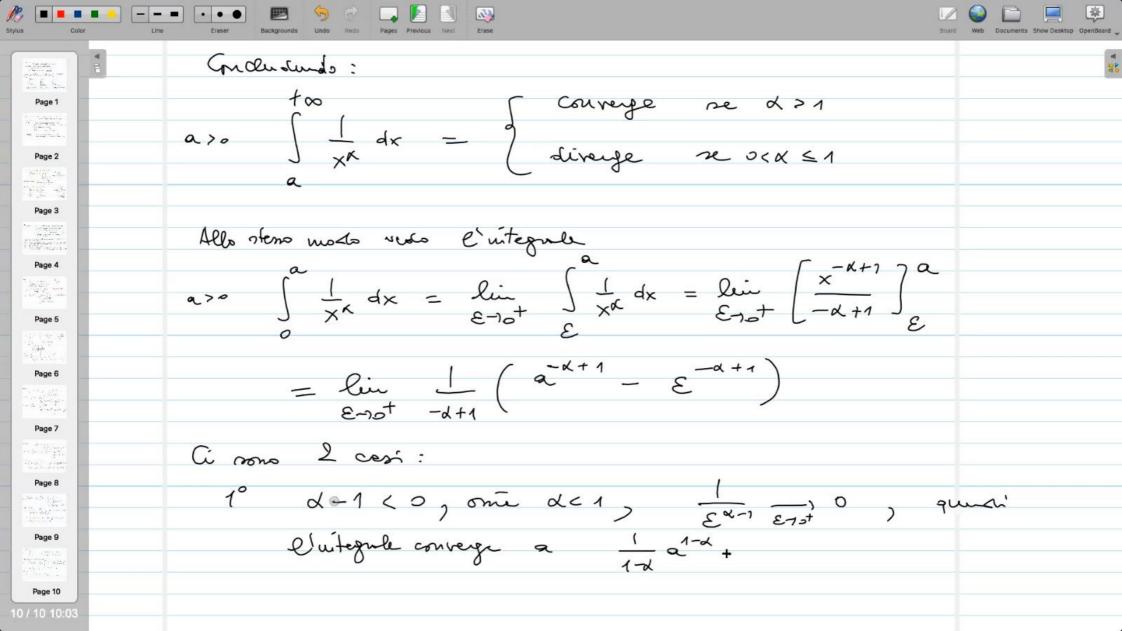


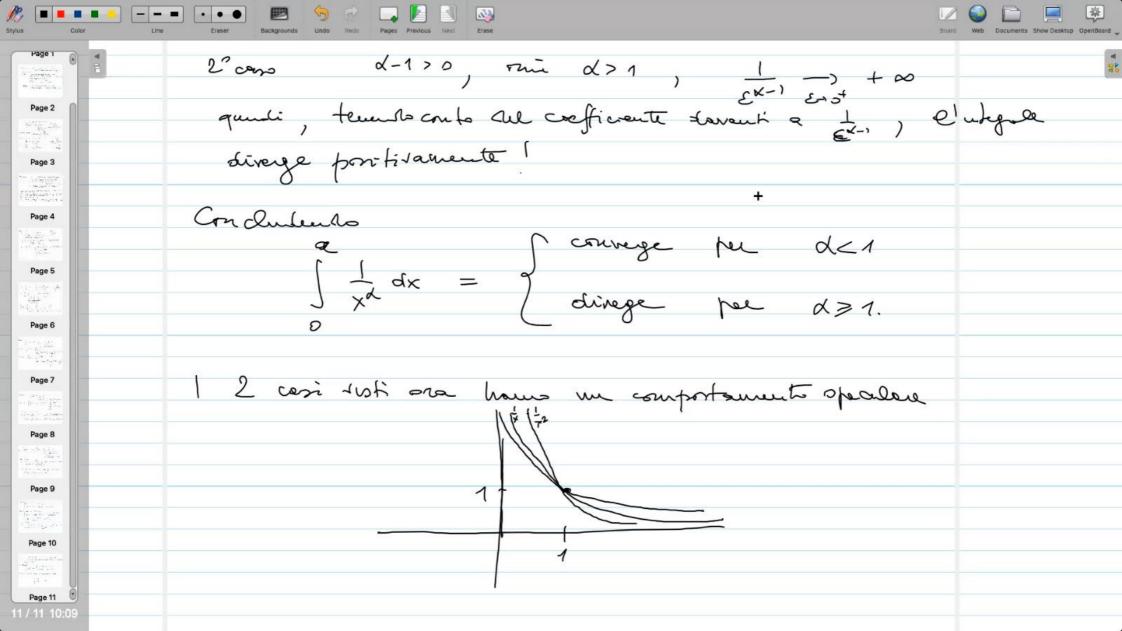


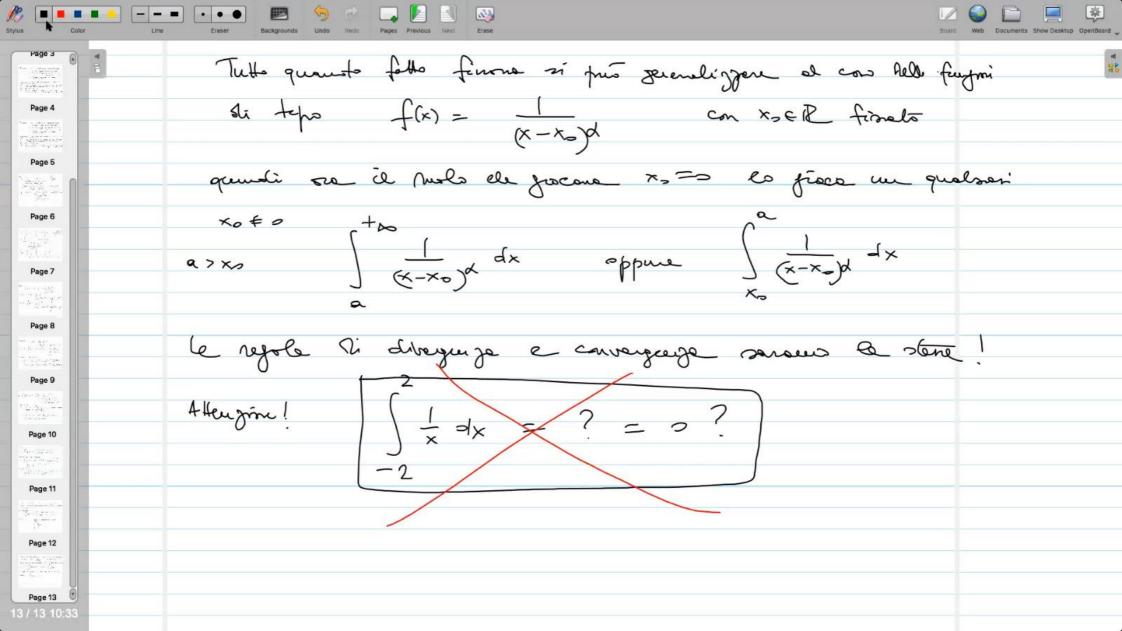


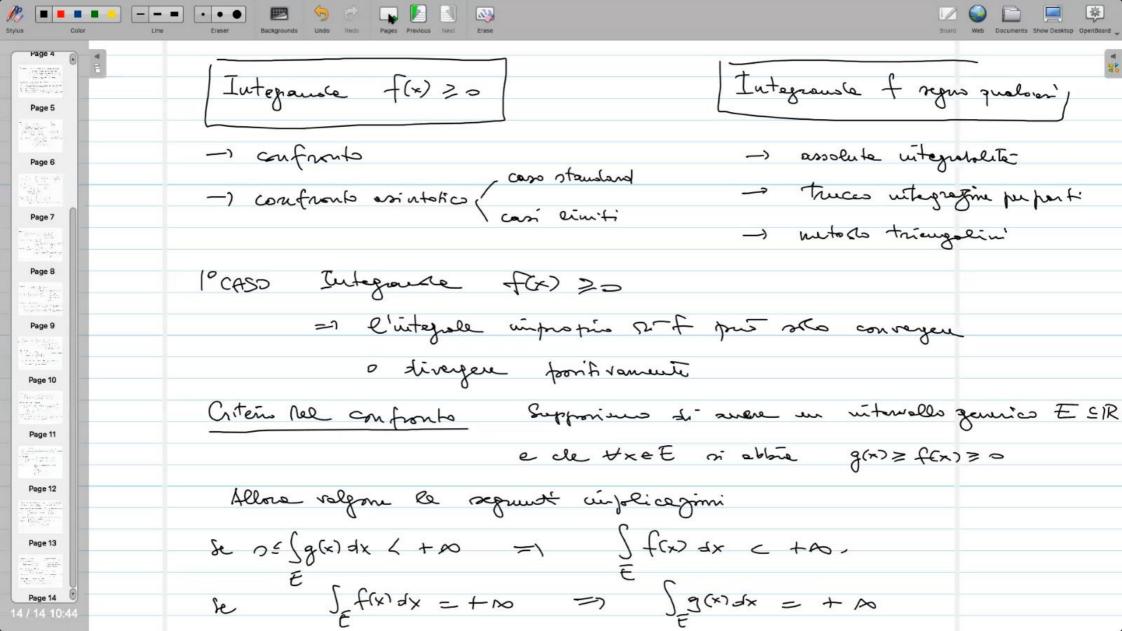
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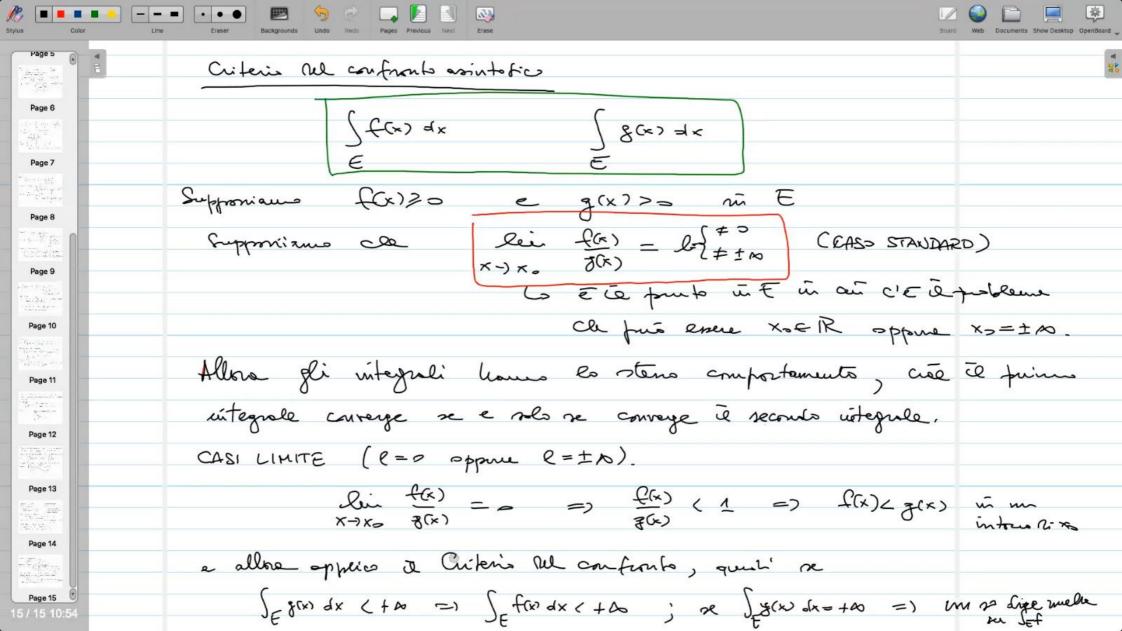


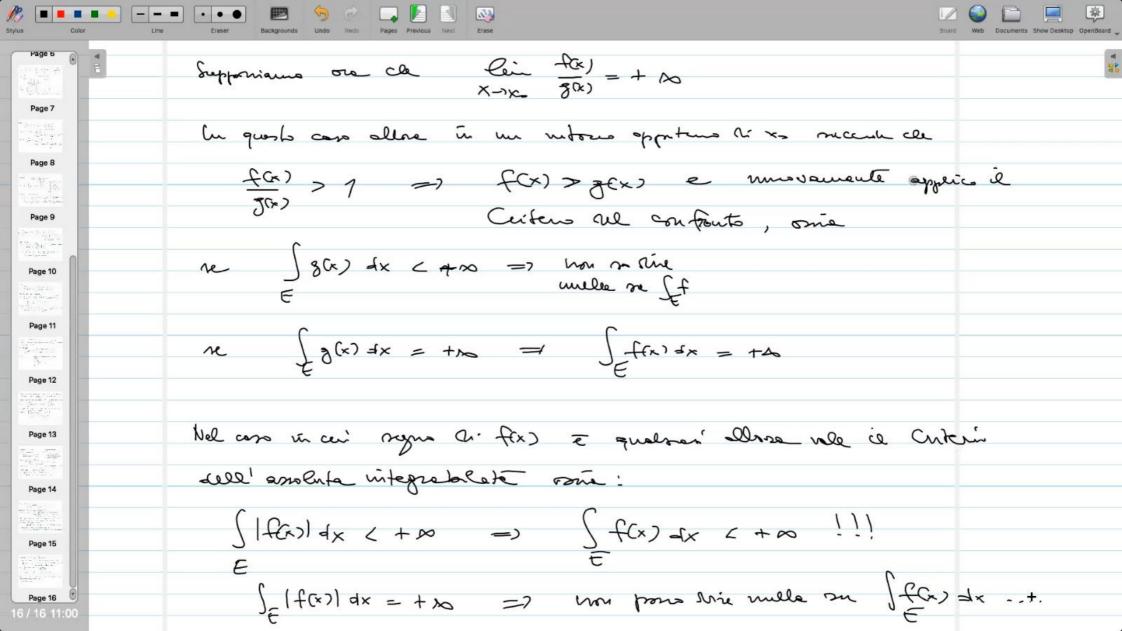












Energio ? Page 8 Ho 2 problemi e que s'+ 5" Page 9 Granidus S 1 x2+1/x +x rea fax> > 0 Page 11 Brutale ! f(x) ~ \frac{1}{\times^2} fee x \to + Do quent \frac{1}{2} f(x) \tau x con problema Page 12 a + 00 si comforte come $\int \frac{1}{x^2} dx$ con probleme all'infinits, me voi reporteurs che star de conveye => Star) dix converge. Page 14 Rignond: lein $\frac{f(\alpha)}{x-1+\infty} = \lim_{x \to +\infty} \frac{1}{x^2+\sqrt{x}} \cdot x^2 = 1$ (#0 CASO STANDARD Page 15 =) i 2 vitagneli (f e (g hours la stens comportament Page 16 Page 17

 $\int \frac{1}{x^2 + \sqrt{x}} dx$ Page 9 ((x)) > = f(x) N / m x→ = + -) l'utegrale pur f in [0,1] no our potre come l'integrale si I in [=,1] g priche quest altime untegrale converge = I f(x) xx & convergent. Page 13 $\lim_{x\to 0^+} \frac{f(x)}{g(x)} = \lim_{x\to 0^+} \frac{1}{x^2 + \sqrt{x}} \cdot \int_{x} = \lim_{x\to 0^+} \frac{1}{x\sqrt{x}} = 1$ $\lim_{x\to 0^+} \frac{f(x)}{g(x)} = \lim_{x\to 0^+} \frac{1}{x\sqrt{x}} \cdot \int_{x} = \lim_{x\to 0^+} \frac{1}{x\sqrt{x}} = 1$ $\lim_{x\to 0^+} \frac{f(x)}{g(x)} = \lim_{x\to 0^+} \frac{1}{x\sqrt{x}} \cdot \int_{x} = \lim_{x\to 0^+} \frac{1}{x\sqrt{x}} = 1$ $\lim_{x\to 0^+} \frac{f(x)}{g(x)} = \lim_{x\to 0^+} \frac{1}{x\sqrt{x}} \cdot \int_{x} = \lim_{x\to 0^+} \frac{1}{x\sqrt{x}} = 1$ $\lim_{x\to 0^+} \frac{f(x)}{g(x)} = \lim_{x\to 0^+} \frac{1}{x\sqrt{x}} \cdot \int_{x} = \lim_{x\to 0^+} \frac{1}{x\sqrt{x}} = 1$ $\lim_{x\to 0^+} \frac{1}{g(x)} = \lim_{x\to 0^+} \frac{1}{x\sqrt{x}} \cdot \int_{x} = 1$ $\lim_{x\to 0^+} \frac{1}{x\sqrt{x}} \cdot \int_{x} \frac{$ Rigouso. Page 15 => rifrovisus il corollere ri conveyenza voto prima. Page 16 S = conveye puche conveyors; Page 17