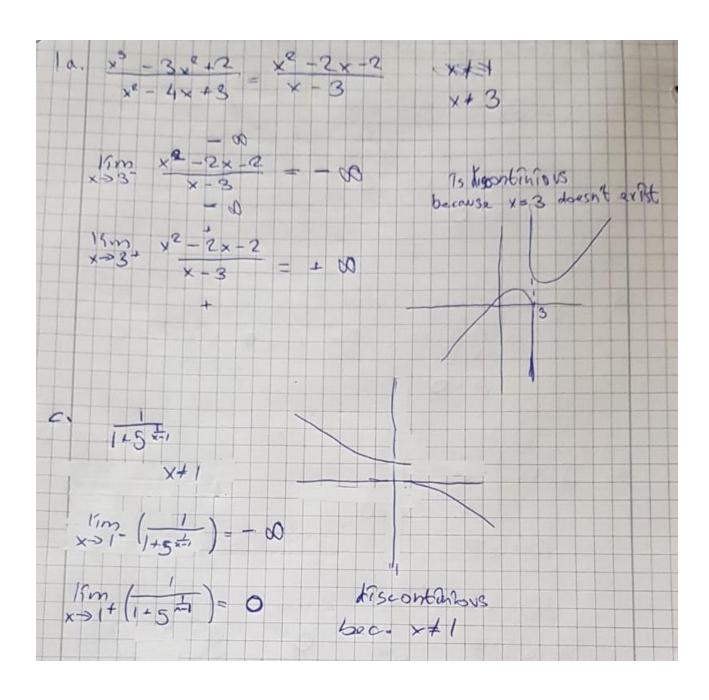
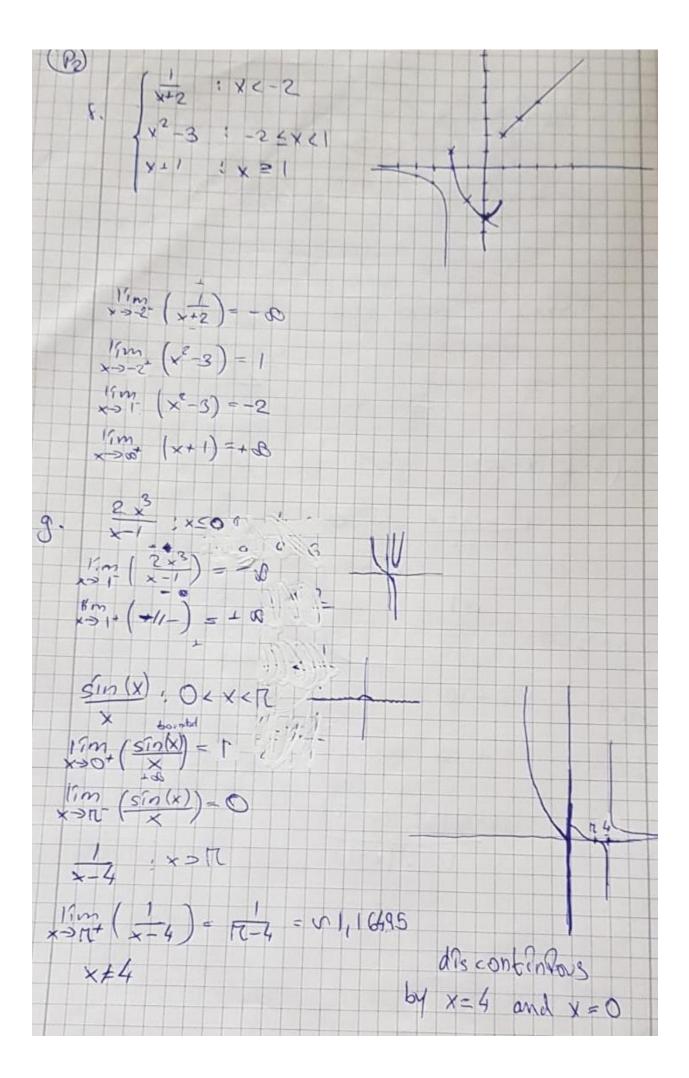
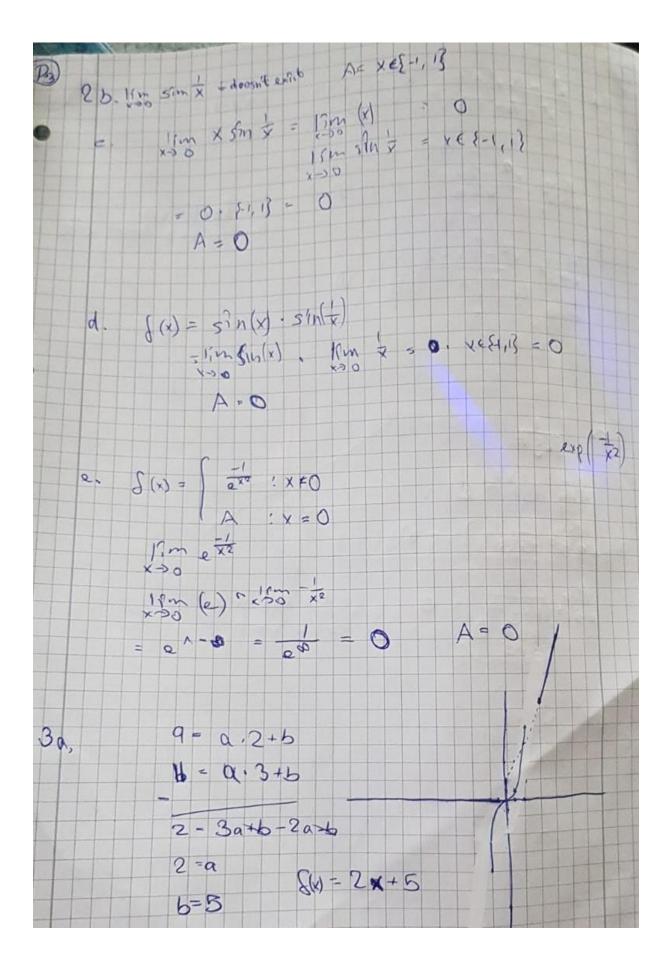
Leonard Blam

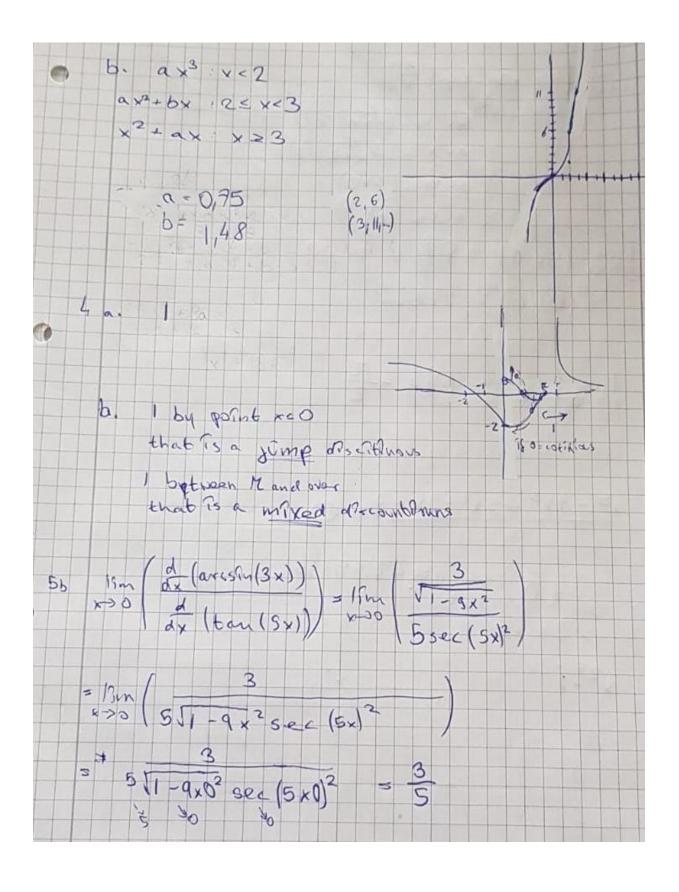
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Homework 3









d. Kim (5x arctan(3))

arctan(3))

arctan(3)) arcton (3 17m (1/x))
arcton (3 × 0) = (00.0) = 0; = (00.0) = 3 Problem! 6. Km (archan (x)) = - 17 7a. x5-4x3+5x2+3x+7=0 ax -2,45245 ... à t Ó b. x2+1

but colonious on book soles b yes. Since we say the sinctim to die sithmous on x=0 tand all types as discontinuers, that some as blem will have a none extist number. That yesticular thes here on x=0 THO THO STORE 16 co no touch with waxes on y = x(s = {(0)= 9 XER (}-4/2 } x + 4 x + 2 it 1/m 4 (2 x3 + x-18) -> doesn't explos 7 x = -43 $r = 2 \left(\frac{3 \times ^3 + \times - 18}{3 \times ^2 - 2 \times - 8} \right) = \frac{5}{2}$ were a symptote horizontal asymptobe: not any till asymptobe: $y = \frac{2}{3} \times 4$ $|\int_{X}^{1} \int_{X}^{1} \frac{2x^{3} + x - 18}{3x^{2} - 9x - 8} \le \frac{2}{3} = \frac{1}{3} \int_{X}^{1} \frac{1}{3x^{2} - 2x - 8} = \frac{2}{3} \times = \frac{4}{3}$ 2 V = 3 + + 9

