UNIT 25: WORKSHEET

Speed solve the indefinite integrals!

Problem 1: $\int x^3 + x^{-5} + 2x \; dx$

Problem 2: $\int 1 - x^5 + \sin(x) \; dx$

Problem 3: $\int \frac{1}{x^2+1} + \tan(x) \; dx$

Problem 4: $\int \frac{1}{x+1} + \frac{1}{\sqrt{1-x^2}} \; dx$

Problem 5: $\int x^{1/3} + x^{5/6} \; dx$

Problem 6: $\int_0^1 \sqrt{1+x} + \frac{1}{\sqrt{1+x}} \; dx$

Problem 7: $\int \frac{1}{x\ln(x)} + \frac{\ln(x)}{x} \; dx$

Problem 8: $\int \frac{2x}{(1+x^2)} + \frac{1}{1+x^2} \; dx$