

SECTION 8.8: IMPROPER INTEGRALS

MATH 2019 – SPRING 2008

1. Determine whether the integral is convergent or divergent. Evaluate the integral if it converges.

(a) $\int_0^3 \frac{x}{(x^2 - 9)^{4/3}} dx$

(b) $\int_0^6 \frac{2x}{x^2 - 4} dx$

Date: April 30, 2008