

Review 2.3-2.4's Answers

1) $a = -\frac{1}{4}$, 2) Discant @ $x = -3$ (Removable)

at $x = 3$ (Inf.inite)

4) $254.4 \frac{\text{In}}{\text{sec}}$; (5) NOT continuous at

$x = -2$

6) a) $\begin{cases} \frac{x-4}{x^2-16}, & x \neq 4 \\ \frac{1}{8}, & x = 4 \end{cases}$ b) AT $x = -4$
Essential
(or Inf).

7) $\frac{1}{3}$ 8) $\frac{2}{\pi}$ 9a) -4 , b) $y = -4x + 9$

9c) $y = \frac{1}{4}x - \frac{15}{4}$