$|g_{1}(x)| = |2x/3| = |4/3| > 1 \Rightarrow divergence$ $|g_{1}(x)| = |3/(2\sqrt{3}x-2)| = |3/4| < 1 \Rightarrow linear convergence with constant 0.5$ $|g_{3}(x)| = |2/x^{2}| = |4/3| > 1 \Rightarrow divergence with convergence with constant 0.5$ $|g_{3}(x)| = |2/x^{2}| = |4/3| > 1 \Rightarrow divergence with convergence with constant 0.5$ $|g_{3}(x)| = |2/x^{2}| = |4/3| > 1 \Rightarrow divergence with convergence with constant 0.5$ $|g_{3}(x)| = |2/x^{2}| = |4/3| > 1 \Rightarrow divergence with convergence with constant 0.5$ $|g_{3}(x)| = |2/x^{2}| = |4/3| > 1 \Rightarrow divergence with convergence with constant 0.5$