## Question 32969

One needs to solve $\frac{x-1}{2 x-1}>\frac{x-3}{2 x-5}$
Moving right part of inequality to the left, $\frac{x-1}{2 x-1}-\frac{x-3}{2 x-5}>0$, from which $\frac{(x-1)(2 x-5)-(x-3)(2 x-1)}{(2 x-1)(2 x-5)}>0$. Opening brackets in the nominator, obtain $\frac{2}{(2 x-1)(2 x-5)}>0$
Roots of denominator are $x=0.5 ; x=2.5$. Finding the signs of $\frac{2}{(2 x-1)(2 x-5)}$ on intervals $(-\infty, 0.5) ;(-0.5,2,5) ;(2.5 ; \infty)$, obtain +-+ . Hence, the solution is $x \in(-\infty, 0.5) \cup(2.5, \infty)$.

