



Show that the equation

$4x^2 - 2x - 3 = 0$  can be rearranged to

give  $x = \sqrt{\frac{2x+3}{4}}$

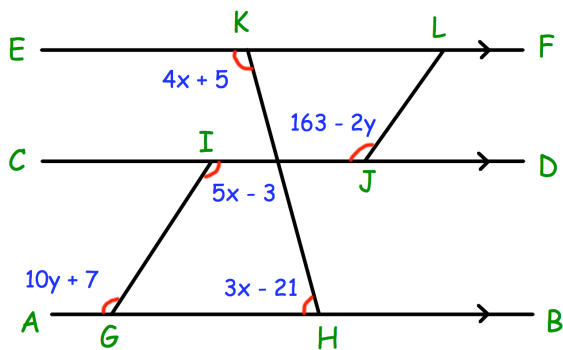
Starting with  $x_0 = 1$ , use the iteration

formula  $x_{n+1} = \sqrt{\frac{2x_n + 3}{4}}$

four times to find an estimate to a solution to  $4x^2 - 2x - 3 = 0$

Expand and simplify

$(3 + \sqrt{2})^3$



The lines AB, CD and EF are parallel.  
GI, HK and JL are straight lines.

Show GI and JL are parallel.