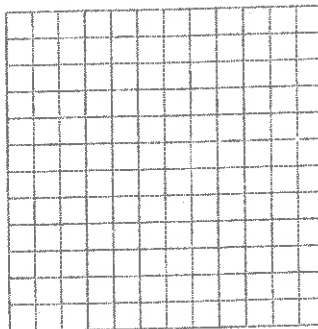


Apply

5. The equation $\sqrt{2x-5} + 4 = 1$ has no solution.

a) Verify algebraically.

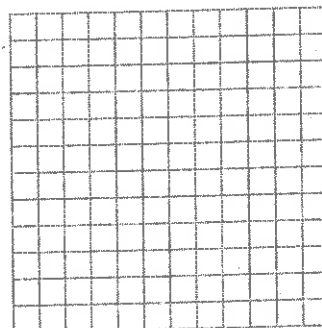
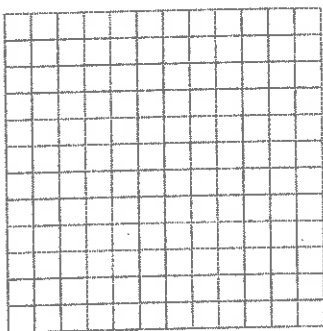
b) Verify graphically.



6. Use what you know about the graph of the base function $f(x) = \sqrt{x}$ and transformations. For each of the following, use a graphical method to solve the equation $f(x) = 0$.

a) $f(x) = \sqrt{x-4}$

b) $f(x) = \sqrt{x} - 3$



c) $f(x) = -\sqrt{x} + 1$

d) $f(x) = \sqrt{-x-3}$

