

Check Your Understanding

Practise

1. Determine the root(s) of each equation algebraically.

a) $y = \sqrt{x+3} - 5$

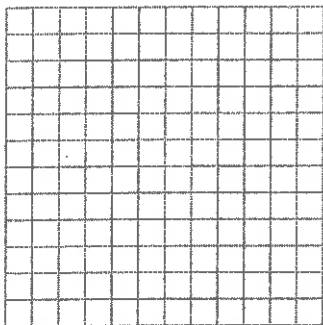
b) $y = -\sqrt{x+6} + 7$

c) $2\sqrt{x-4} - 1 = 7$

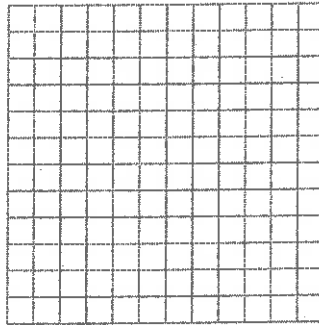
d) $\sqrt{x+1} + 3 = 5$

2. Find the x -intercepts of each equation graphically. Include a sketch for each.

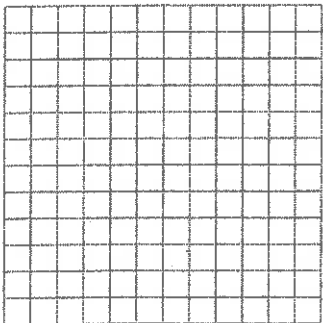
a) $y = \sqrt{x-2} - 1$



b) $y = -\sqrt{x+3} + 2$



c) $y = \sqrt{x+5} - 2$



d) $y = -\sqrt{x+2} - 2$

