Graph:

\[ y = \sqrt{x - 3} \]

1. Is it a function?
2. Domain:
3. Range:
4. \( x \)-intercept(s):
5. \( y \)-intercept(s):
6. Symmetry:
7. Where is the graph increasing?
8. Where is the graph decreasing?
9. Where is \( y < 0 \)?
10. Where is \( y > 0 \)?
11. Where is \( y = 0 \)?
12. Find \( y \) when \( x = 7 \).
13. For what \( x \)-value(s) is \( y = 4 \)?
14. Absolute maximum value of graph:
15. Absolute minimum value of graph:
16. Relative maxima:
17. Relative minima:
18. Asymptote(s): (state equation(s))
19. Assuming \( y = f(x) \):
   \[ \text{as } x \to +\infty, \quad f(x) \to \ldots \]
   \[ \text{as } x \to -\infty, \quad f(x) \to \ldots \]
20. Name given to this graph: