

These are questions to test your understanding of the material. Some of these questions may appear on an exam.

1. What are K-D trees used for?
2. How does a 2-D tree extend a binary search tree?
3. Successively insert the following items into an initially empty 2-D tree:
 $(53, 14)$, $(27, 28)$, $(30, 11)$, $(67, 51)$, $(70, 3)$.