

## Answers to the exercises for chapter:

1. If the begin point has real coordinates, round the  $x$  coordinate to a pixel, and approximate the  $y$  coordinate as  $n/m$  with fairly small integers  $m, n$ . By scaling the function  $F$  by  $m$  all the calculations become integer again.
2. Since the algorithm considers only an octant, the slope is never more than 1.