1) Solve : 2) Solve

3)Solve: 4)Solve:

5) Solve: 6) Solve:

7) Solve: 8) Solve:

9) Solve:

10) Write a quadratic equation with the given roots:

a) and b) and

11) A rectangular skating rink measures 40 m by 20m. It is to be doubled in area by extending each side by the same amount. Determine how much each side should be extended, to the nearest tenth of a meter.

12) The sum of two numbers is 14 and their product is 37. Find the two numbers? Write your answers in simple radical form and to the nearest hundredth.