Self-assessment questions

1. What is the command in GNU Octave for interpolation?
2. interp1(x, y, a) means the x value corresponding to y = a is obtained. True or false?
3. polyval can be used for interpolation. True or false?
4. Can interp1 be used for extrapolation?
5. In interp1(x, y, a), should the y also be monotonic?

Answers to self-assessment questions

1. interp1
2. False. It means the y value corresponding to x = a is obtained.
3. True. If polyfit is used on the given data to fit a polynomial, then, polyval can be used for interpolation.
4. Yes; by passing an optional parameter 'extrap', extrapolation can be carried out.
5. No. See the Problem 2, for example.