# 1 List of exercises

Solve and answer the following exercises.

**Exercise 1** Factor $x^2 - 2x + 1$

**Exercise 2** Factor $3x + 3y + 3z$

**Exercise 3** True or false?

   a) $\alpha > \delta$                               b) LATEX2e is cool?

**Exercise 4** *Talking Linux*

   a) You use linux?                 b) Usually uses the package manager?

**Exercise 5** Rate the following LATEX packages and classes.

   a) `xsim-exam`        b) `xsim`            c) `exsheets`

**Exercise 6**

   A) value       B) value       C) value       D) correct       E) value

**Exercise 7**

   I   $2\alpha + 2\delta = 90°$         II   $\alpha = \delta$               III $\angle EDF = 45°$

   A) I only       B) II only       C) I and II only     D) I and III only

   E) I, II, and III

**Exercise 8**

   (1) $2\alpha + 2\delta = 90°$               (2) $\angle EDF = 45°$

   A) Alternative A       B) Alternative B       C) Alternative C

   D) Alternative D       E) Alternative E

# 2 Solutions

**Solution 1** $(x-1)^2$

**Solution 2** $3(x+y+z)$

**Solution 3**

  a) False        b) Very True!

**Solution 4** *Talking Linux*

  a) Yes        b) Yes

**Solution 5**

  a) doesn't exist for now

  b) very good

  c) obsolete

**Solution 6** D)

**Solution 7** B)

**Solution 8** C)