Exercise 8
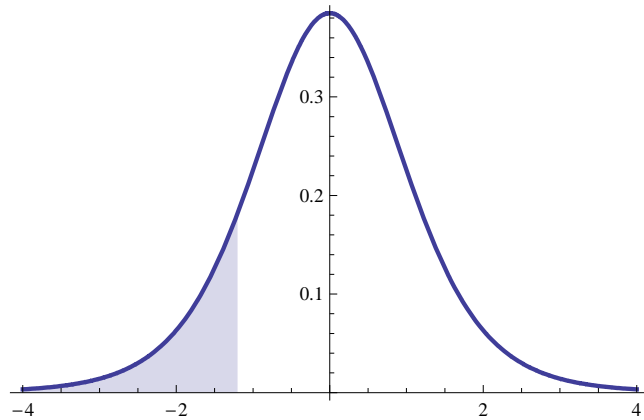
(a) The distribution is t_{24} (24 degrees of freedom). The shape is
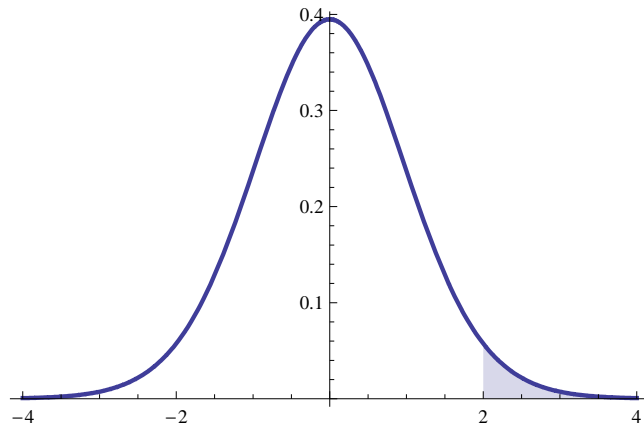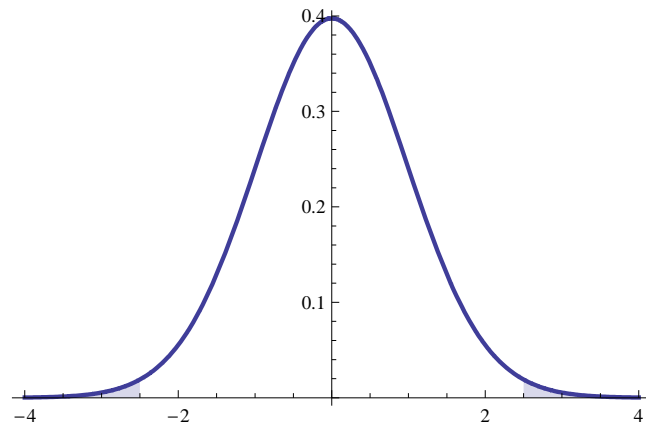

The p-value is `tcdf(2.0,E99,24)` $= 0.02847$.

(b) The distribution is t_7 (7 degrees of freedom). The shape is

The p-value is `tcdf(-E99,-1.2,7)` $= 0.1346$.

(c) The distribution is t_{69} (69 degrees of freedom). The shape is

The p-value is $2 \times$ `tcdf(-E99,-2.5,69)` $= 0.01480$.