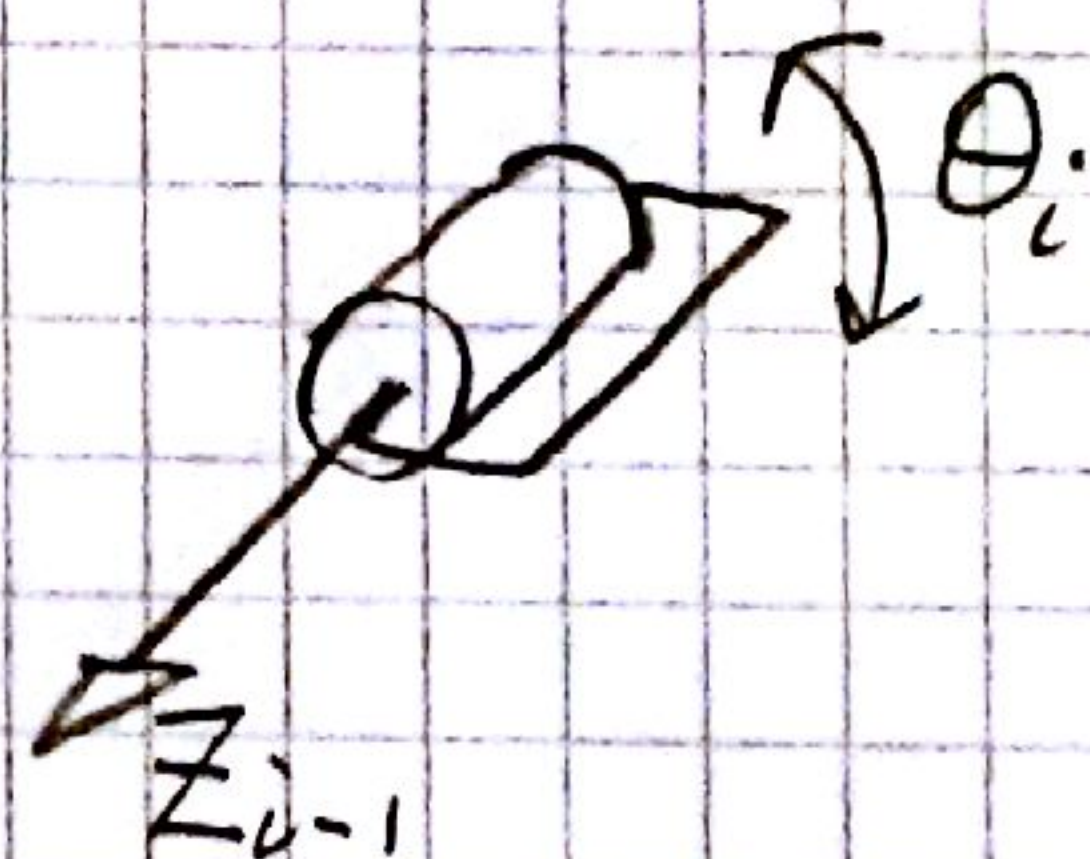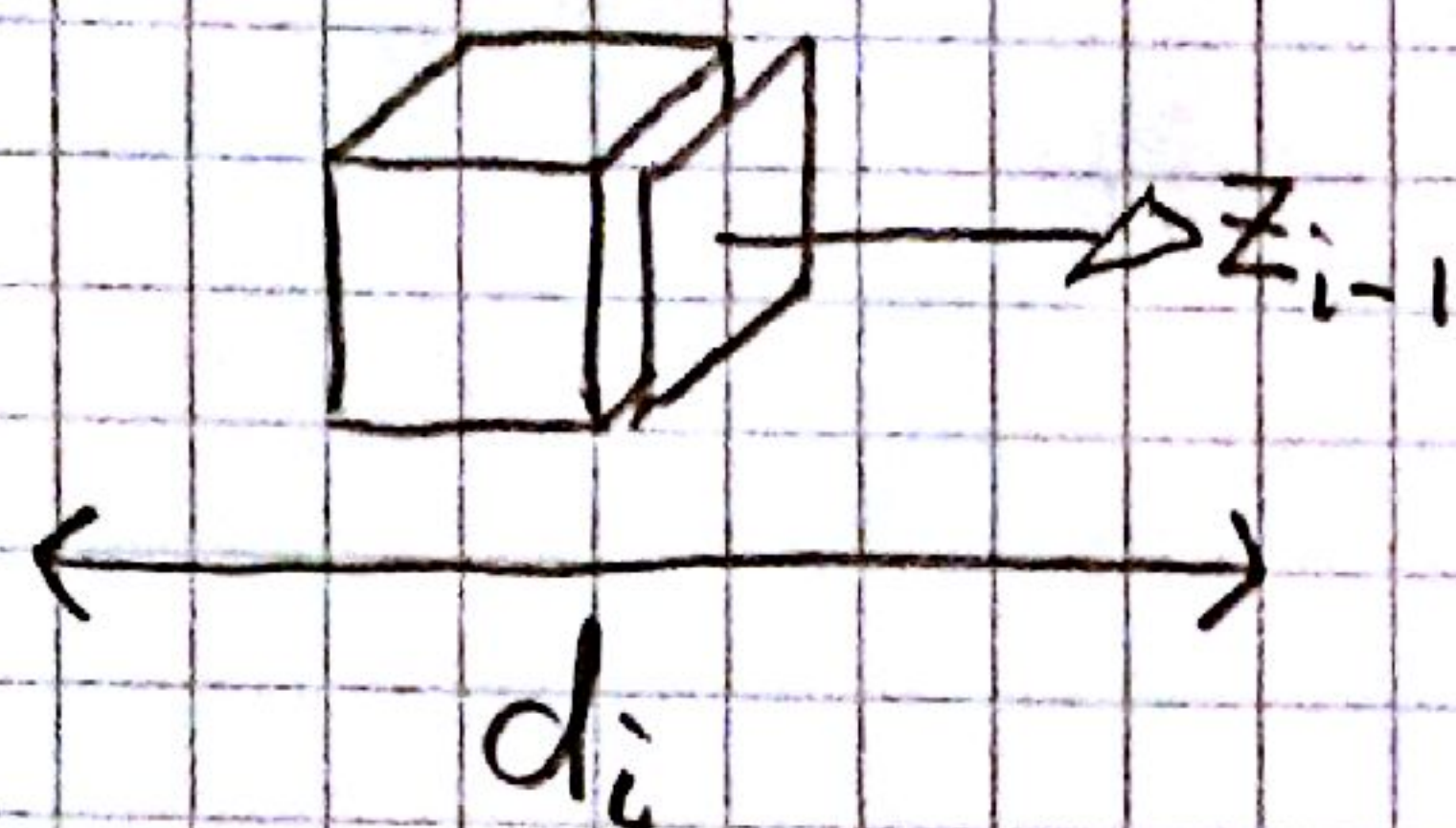# Common mistakes in Exercise 2:

* Read the _whole_ exercise thoroughly!

* Prismatic joint : z-axis should point in the direction
of movement.

Revolute joint : rotation should be about the z-axis.

Read more about this in 3.2.2 - Ass. the Coord. frames.

* Write $\sin\theta_i$ as s_i and $\cos\theta_i$ as c_i

* $\sin\theta_i \cos\theta_j + \cos\theta_i \sin\theta_j = \sin(\theta_i + \theta_j) = s_{ij}$ } save you a lot

$\cos\theta_i \cos\theta_j - \sin\theta_i \sin\theta_j = \cos(\theta_i + \theta_j) = c_{ij}$ } of work!

* The two-argument arctangent function "A tan2(x, y) is
useful in order to express the full range of angles.
See Appendix A.1 in the book.