Congratulations! You passed!

Grade received 100% **To pass** 80% or higher

Go to next item

1. Consider the point $(x, y) = (0, 2)$. What is $\text{atan2}(y, x)$, measuring the angle from the x-axis to the vector to the point (x, y)? 1 / 1 point

- ○ 0
- ◉ $\pi/2$
- ○ $-\pi/2$

Correct

2. What are advantages of numerical inverse kinematics over analytic inverse kinematics? Select all that apply. 1 / 1 point

- ☑ It can be applied to open-chain robots with arbitrary kinematics.

Correct
Numerical methods provide a general approach to solving inverse kinematics, with the disadvantages that they require an initial guess and they return only a single solution "close by" the initial guess.

- ☐ It requires an initial guess at the solution.
- ☐ It returns all possible inverse kinematics solutions.