

# COMS W4701: Artificial Intelligence

## Written Homework 1

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### 1 Problem 1

#### 1.1 problem a

Welcome to my workshop! Thanks for coming. It'll be fun I promise.

$$\sum_{i=0}^{\infty} a_i r^i = \frac{a_1}{1-r} \text{ if } -1 < r < 1$$

This is my equation:

$$x_1, x^1, x \cdot y \cdot z_{xy}$$

This is my equation:  $x_1, x^1, x \cdot y \cdot z_{xy}$ .

$$\begin{aligned} x &= y + z \\ &= y + z_1 \\ &\leq y \end{aligned}$$

### 2 Problem 2

1. first subproblem.
2. second subproblem.
3. ...

### Problem 3

- item 1.
- item 2.
- item 3.