

# Prompt Engineering

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## Chat history

You said:

**content**  
File · 142 KB



ChatGPT said:

I see the graph you uploaded. Let's analyze it:

The **vertical line test** tells us if a graph represents a function: if any vertical line touches the graph more than once, then it is **not a function**.

Looking at this graph:

- For many x

x

x-values (like x

=

2

x=2

x=2), a vertical line passes through **two points**.

- That means a single x

x

x-value is mapped to **two different y**

y

y-values.



Therefore, the correct statement is:

**The graph does not represent a function because one**

x

x

**x-value is mapped to two different**

y

y

y-values.

Would you like me to fill this into the exact dropdown-style answer format you see in DeltaMath?

You said:

Cuales son las respuestas

ChatGPT said:

Sí 😊. Según el ejercicio de DeltaMath, las casillas se llenan así:

**Respuesta completa:**

👉 **The graph does not represent a function because one x-value is mapped to two different y-values.**

En las casillas:

- Primera: **does not**
- Segunda: **one x-value**
- Tercera: **two different y-values** ✓

¿Quieres que te lo escriba exactamente en el mismo orden como aparecería en DeltaMath (con los desplegables)?

### **History and Location:**

Norwich University, founded in **1819**, is a **private university** located in **Northfield, Vermont, USA**. It is recognized as **the birthplace of the Reserve Officers' Training Corps (ROTC)** and has a strong **military tradition**.

### **Academic Programs:**

Norwich offers a **wide range of undergraduate and graduate programs**, with more than **70 majors and degrees**. It is especially known for its programs in **engineering, architecture, and cybersecurity**.

### **Accreditation:**

The university is accredited by the **New England Commission of Higher Education (NECHE)**, which ensures that it meets high educational standards.

### **Admissions:**

Norwich's **acceptance rate is about 86.77%**, meaning the admission process is selective but still accessible. **SAT or ACT scores are recommended** for

admission but not always required.

### **Costs and Financial Aid:**

The **average annual cost of attendance after financial aid** is about **\$25,897**.

The university offers various types of **financial assistance**, including **federal student loans and Pell Grants**.

### ✂️ **Hangman Game Instructions**

#### **1. Start the game**

The system will randomly choose a secret word (for example, the name of a fruit).

#### **2. Look at the clues**

You'll see blank spaces like \_ \_ \_ \_ \_ , one for each letter in the word.

#### **3. Guess a letter**

Type a letter and try to find out if it's part of the secret word.

#### **4. Be careful!**

If the letter is not in the word, you'll lose one chance.

You have a limited number of tries (the length of the word + 2).

#### **5. Reveal the correct letters**

Every time you guess correctly, the letters appear in their positions.

Example:

Word → \_ a \_ a n a (you guessed the letter a).

#### **6. Win the game**

If you find all the letters before running out of tries, you win! 🎉

The game will congratulate you with a magical message:

**"Congratulations, you found the secret word!"**

#### **7. Lose the game (but try again!)**

If you run out of tries before guessing the word, you lose the round.

The game will reveal the word and say:

**"Sorry, the word was..."**

But don't worry — you can always play again and improve your score!

Image:

# What is Prompt Engineering?



## Key Principles:



Be Clear and Specific



Give Context



Set Format and Style



Show Examples



## Quick Guide: AI Prompt Engineering

Strategies for better results  
in ChatGPT, Perplexity and  
other AI tools.

**PRO TIP**  
Use adjectives  
to help define  
your "role".

### Your Prompt should include

#### WHO:

**Role:** Who is the tool writing as?  
**Audience:** Who is it writing FOR?

Who is the tool "pretending" to be--a teacher, a scientist, a dancer, a tennis coach? And who is this person writing for? 12 year olds, the board of the Arts Commission, a professional tennis player?

#### WHAT:

**Task:** What do you want the tool to do?  
**Voice:** Should the tone be informal, chatty, professional?

**More details = better results.** This takes some planning. Think the ideal response, what you want it to include, how you want it to look, how it should sound, and include that in the instructions.

#### WHY:

What is the **goal** of the task?

Explaining the **purpose of the task** and what you're **trying to achieve** helps the AI Tool shape its response to better meet your needs.

#### WHERE:

What is the **context** of the task?

Include necessary **background**, any **limitations** or things NOT to include. Again, this helps generate better results to fit the task.

### EXAMPLE

You are an **expert, creative writer**, working on an **essay about pollution**. Create a table with 3 columns labelled nouns, verbs, adjectives. **Create a vocabulary list of 20 pollution words** for each column as a word cache for the essay. The essay is **showing the damage to habitat and animals**. It is **factual**, but will create a **sense of crisis**. The vocabulary list should **support those goals**.

### To improve your results...

**Include examples:** show the AI what you want the response to look like/include.

**Prompt Stacking:** Too many directions can confuse the AI. Break the prompt into separate parts. The AI can use results from previous prompts to generate new tasks.

**Explain Reasoning:** Tell it to explain its thinking step-by-step.

**Ask for multiple versions:** Lets you pick and choose and build on the better options.

SOURCES: UX Planet: Ultiaguide; AI Prompt Writing Formula

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