PART A — Research Questions (Short Answers)

1. What new improvements were introduced in Gemini 3.0?

Stronger reasoning with improved long-chain logic and planning.

Much better multimodal abilities (images, documents, video, spatial understanding).

Supports very large context window (up to ~1M tokens) and improved agent/tool use.

2. How does Gemini 3.0 improve coding & automation workflows?

Provides agentic coding that can plan, write, debug, and validate code automatically.

“Vibe coding” lets developers describe ideas in natural language and get full working apps.

Integrates with Gemini CLI and Antigravity IDE for automated shell commands and multi-step task execution.

3. How does Gemini 3.0 improve multimodal understanding?

More accurate image, document, and video reasoning with state-of-the-art benchmark results.

Better spatial understanding, layouts, diagrams, and complex visual tasks.

Handles combined large inputs (text + images + documents) using the expanded context window.

4. Name any two developer tools introduced with Gemini 3.0.

Gemini CLI.

Google Antigravity IDE.

PART B — Practical Task (Screenshot Required)

```
> /model update gemini-3.0
```

Select Model

Gemini 3 is now available.
To use Gemini 3, enable "Preview features" in /settings.
Learn more at https://goo.gle/enable-preview-features

● 1. **Auto**
     Let the system choose the best model for your task.
  2. **Pro (gemini-2.5-pro)**
     For complex tasks that require deep reasoning and creativity
  3. **Flash (gemini-2.5-flash)**
     For tasks that need a balance of speed and reasoning
  4. **Flash-Lite (gemini-2.5-flash-lite)**
     For simple tasks that need to be done quickly

To use a specific Gemini model on startup, use the --model flag.

(Press Esc to close)