**Problem:** What acceleration does Lois Lane experience after Superman catches her and brings her to a stop? From what height did she fall?

**Given:** What information did the video provide?

**Required:**  What information are we trying to find?

**Picture:**

Draw a motion diagram of Lois Lane during the free fall

Draw a motion diagram of Lois Lane while she is slowed to a stop by Superman.

What unit conversions do we need?

**Solution:**

**Summary**

Would Lois have survived? Explain.