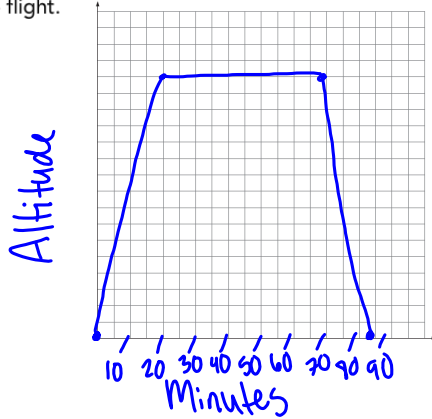## Example

An airplane flew from Melbourne, Australia to Sydney, Australia in 85 minutes. The plane took 20 <u>minutes</u> to reach its cruising altitude and <u>15 minutes to</u> descend into Sydney. Sketch a graph that shows the plane's <u>altitude</u> during the flight.

20 mins increasing

15 mins decreasing

50 mins constant
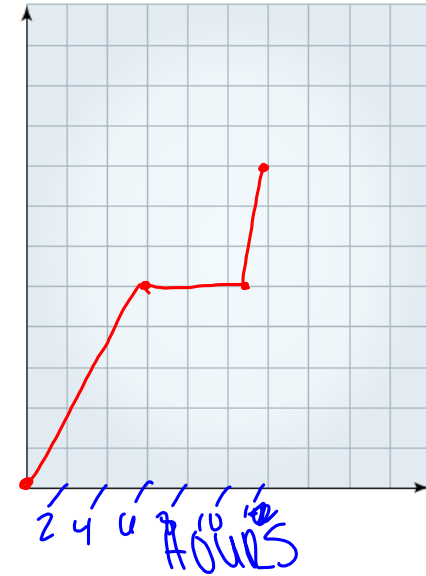
Altitude

10 20 30 40 50 60 70 80 90

Minutes

Got It?

You have an empty bucket in your yard to collect rainwater. Rain falls for six hours and then stops. After five hours, the rain begins again and lasts for one more hour.

6 hrs increase
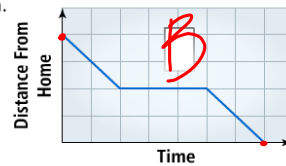
5 hrs constant

1 hr increasing

Rain in Bucket

2 4 6 8 10 12

HOURS

Example   Continued

Match each verbal description with its corresponding graph.

A | You leave home and ride your bicycle to the library, where you stay for a while doing research for your science report. Then you ride to your friend's house.
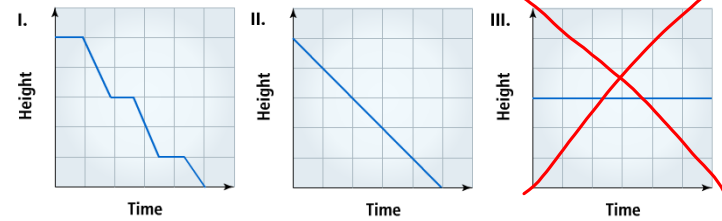
B | You ride your bicycle home from soccer practice. On the way, you stop at your friend's house for a while and then go straight home.

Distance From Home

B

Time

Distance From Home

A

Time

Got It?

🔊 Each graph describes the height of a candle over a certain period of time. Which graph is *not* a reasonable description for this situation?

You light a candle and let it burn until it burns out.

I.

Height

Time

II.

Height

Time

III.

Height

Time

What additional information do you need to know in order to choose which graph better matches the situation?