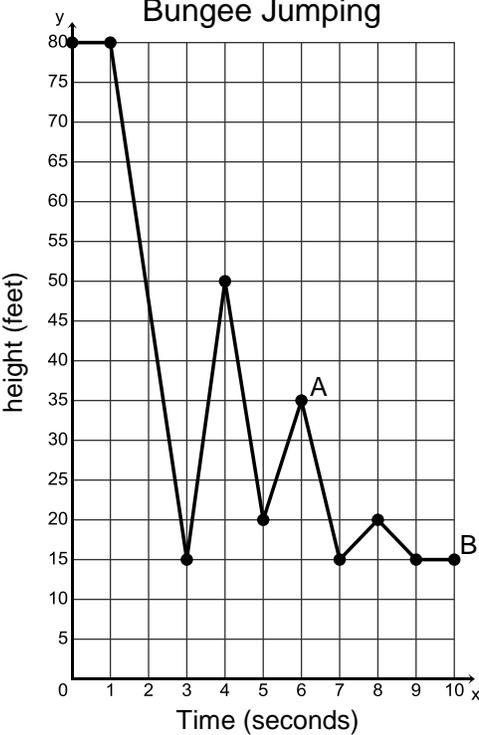


Notes: T3-42 Interpreting Graphs

Give the slope for each interval and explain what it represents for the situation.

D: [0, 1]	D: [1, 3]	D: [3, 4]
D: [4, 5]		D: [5, 6]
D: [6, 7]		D: [7, 8]
D: [8, 9]	D: [9, 10]	

What is the y-intercept and what does it mean?

What is the x-intercept and what does it mean?

Name the ordered pair at point A and explain what it means.

Name the ordered pair at point B and explain what it means.

When is the function increasing? When is it decreasing? When is it constant?

Notes: T3-42 Interpreting Graphs

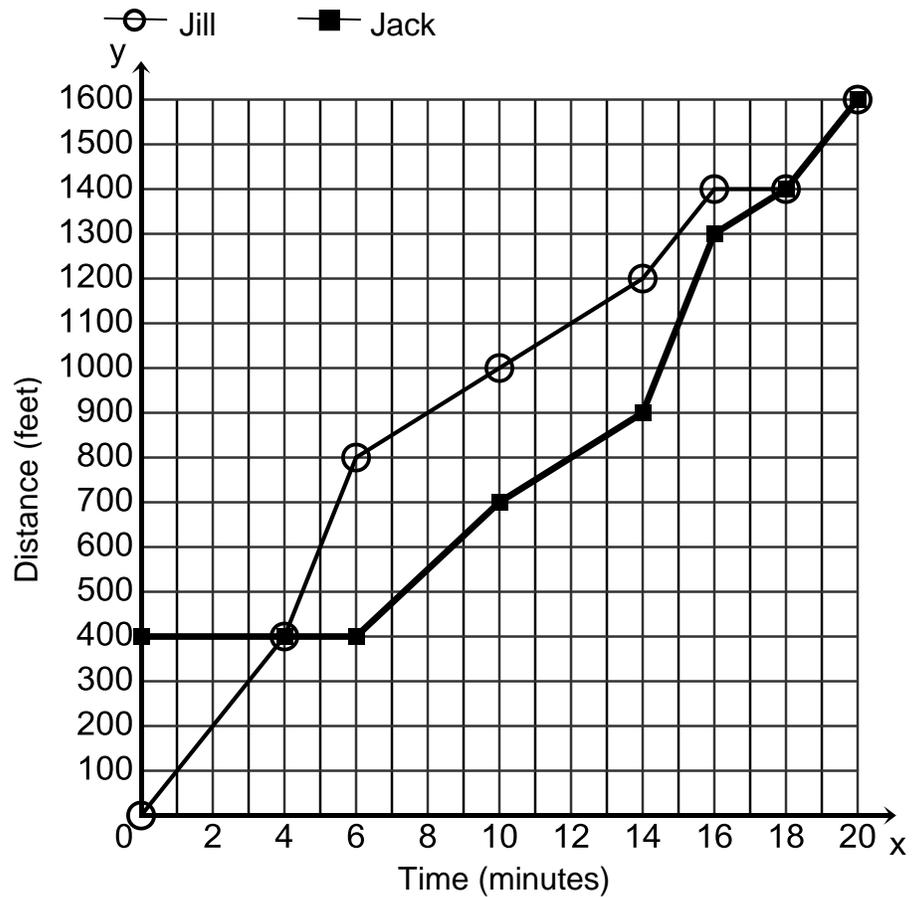
The graph shows Jack and Jill's trip up the hill. Use the graph to answer the following questions.

1. Which is the independent variable and which is the dependent variable?

2. What is the y -intercept for Jack and what does it mean?

3. What is the y -intercept for Jill and what does it mean?

4. What is the x -intercept for Jill and what does it mean?



5. How long does the trip take?

6. What is Jack doing for the domain interval $[0, 6]$?

7. What happens at minute 4?

8. What is happening in the domain interval $[18, 20]$?

9. Where is Jack moving fastest? How do you know?

10. Where is Jill moving fastest? How do you know?

11. What is Jack's speed at the domain interval $[10, 14]$?

12. What is Jill's speed at the domain interval $[6, 10]$?

13. What is Jill doing during the domain interval $[16, 18]$?

14. What is Jill's average speed for the whole trip?

15. What is Jack's average speed for the whole trip?

