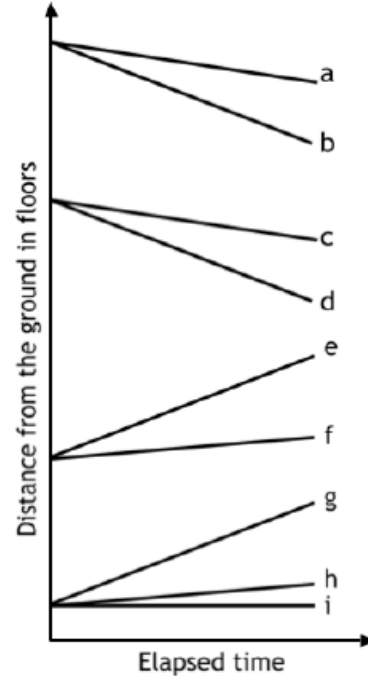


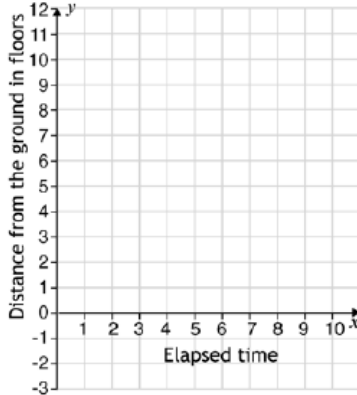
1. Match each description with the corresponding graph. Write a letter in each blank.

- a. The elevator starts on floor 3 and rises at 4 floors per second. _____
- b. The elevator starts on floor 8 and descends at 1 floor per second. _____
- c. The elevator starts on floor 8 and descends 4 floors per second. _____
- d. The elevator pauses on floor 2. _____
- e. The elevator starts on floor 5 and descends at 4 floors per second. _____
- f. The elevator starts on floor 5 and descends at 1 floor per second. _____
- g. The elevator starts on floor 2 and rises at 4 floors per second. _____
- h. The elevator starts on floor 3 and rises at 0.5 floors per second. _____
- i. The elevator starts on floor 2 and rises at 0.5 floors per second. _____

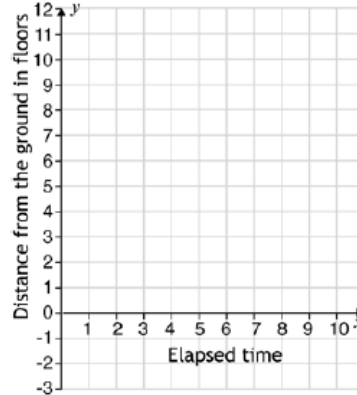


2. For each description of an elevator's motion, sketch a graph. Label each graph.

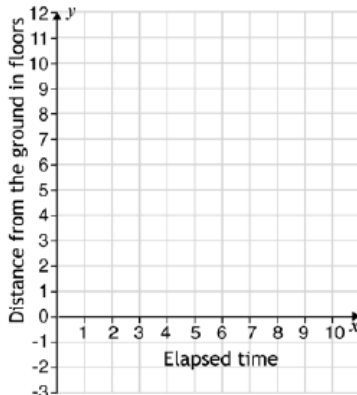
a. Rate of -2 floors per second, starting at floor 3



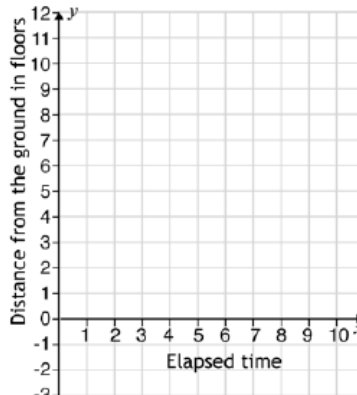
b. Rate of 2 floors per second, starting at floor 3



c. Starting at floor 8, rate of $\frac{1}{2}$ (1 floor per 2 seconds)



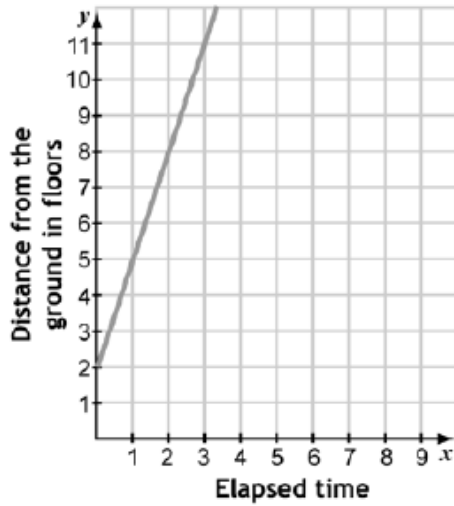
d. Starting at floor -1, rate of $-\frac{1}{3}$ floors per second (-1 floor per 3 seconds)



3. Given the following elevator graphs, find the starting floor and the rate.

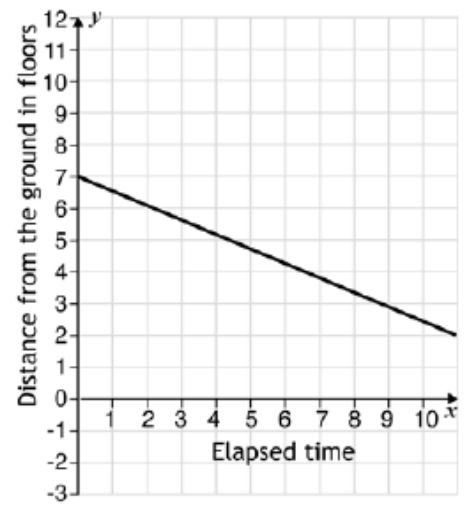
a. Starting floor: _____

Rate: _____

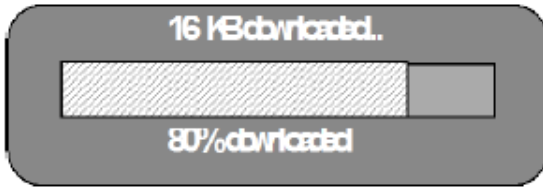


b. Starting floor: _____

Rate: _____



3. If the computer screen shows this image as Calinda is downloading a file, how big is the file she is downloading?



Explain your reasoning:

4. Terrence's friend, Tony, skates on inline skates. Tony skated the 2 miles to school in 14 minutes. Terrence skateboarded 4 miles to school in 30 minutes. Who skated faster? Justify your answer.

Answer:

5. Three numbers have an average of 15. If two of the numbers are 10 and 12, then what is the other number?

Answer with supporting work:

6. The tick marks are evenly spaced. What number belongs in the blank?

