

## **Main Concept**

---

# Plotting a Data Table

## Data taken during the Hare's last race:

Seconds	Feet
0	0
1	5
2	10
3	15
4	16.25
5	17.5
6	18.75
7	20
8	20
9	20
10	16
11	12
12	8
13	4
14	0

## Data Table:

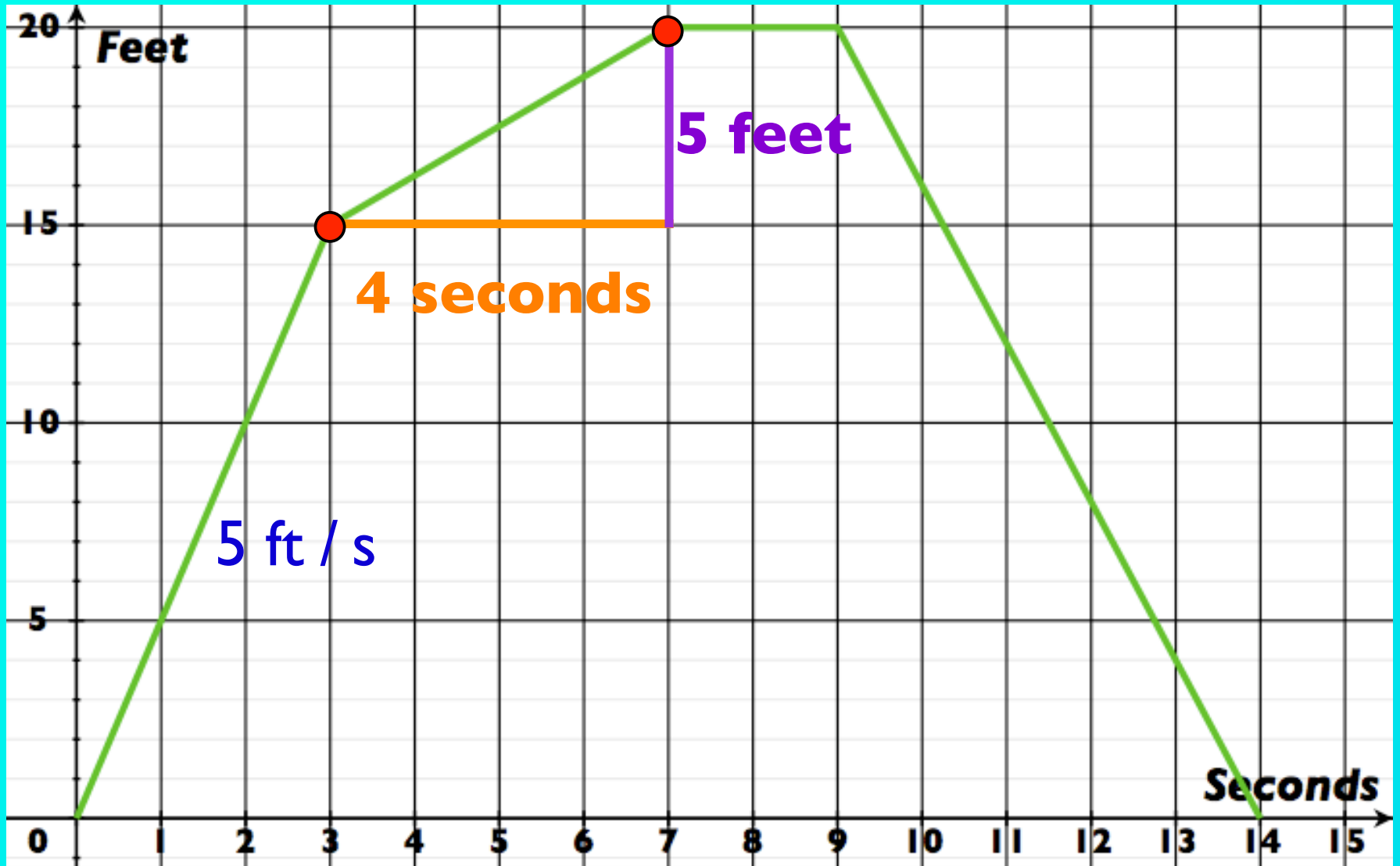
Seconds	Feet
0	0
1	5
2	10
3	15
4	16.25
5	17.5
6	18.75
7	20
8	20
9	20
10	16
11	12
12	8
13	4
14	0

## Graph:

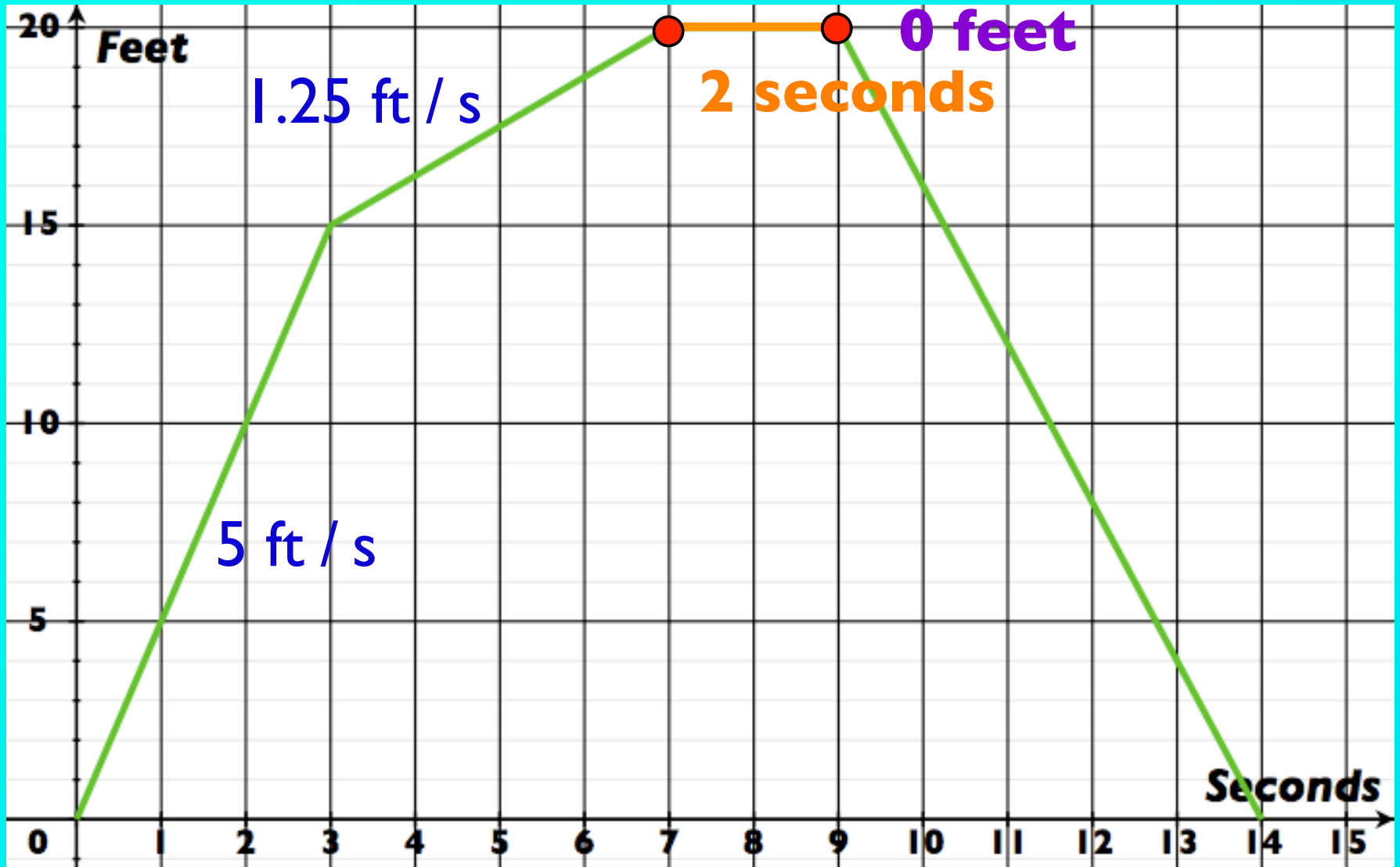




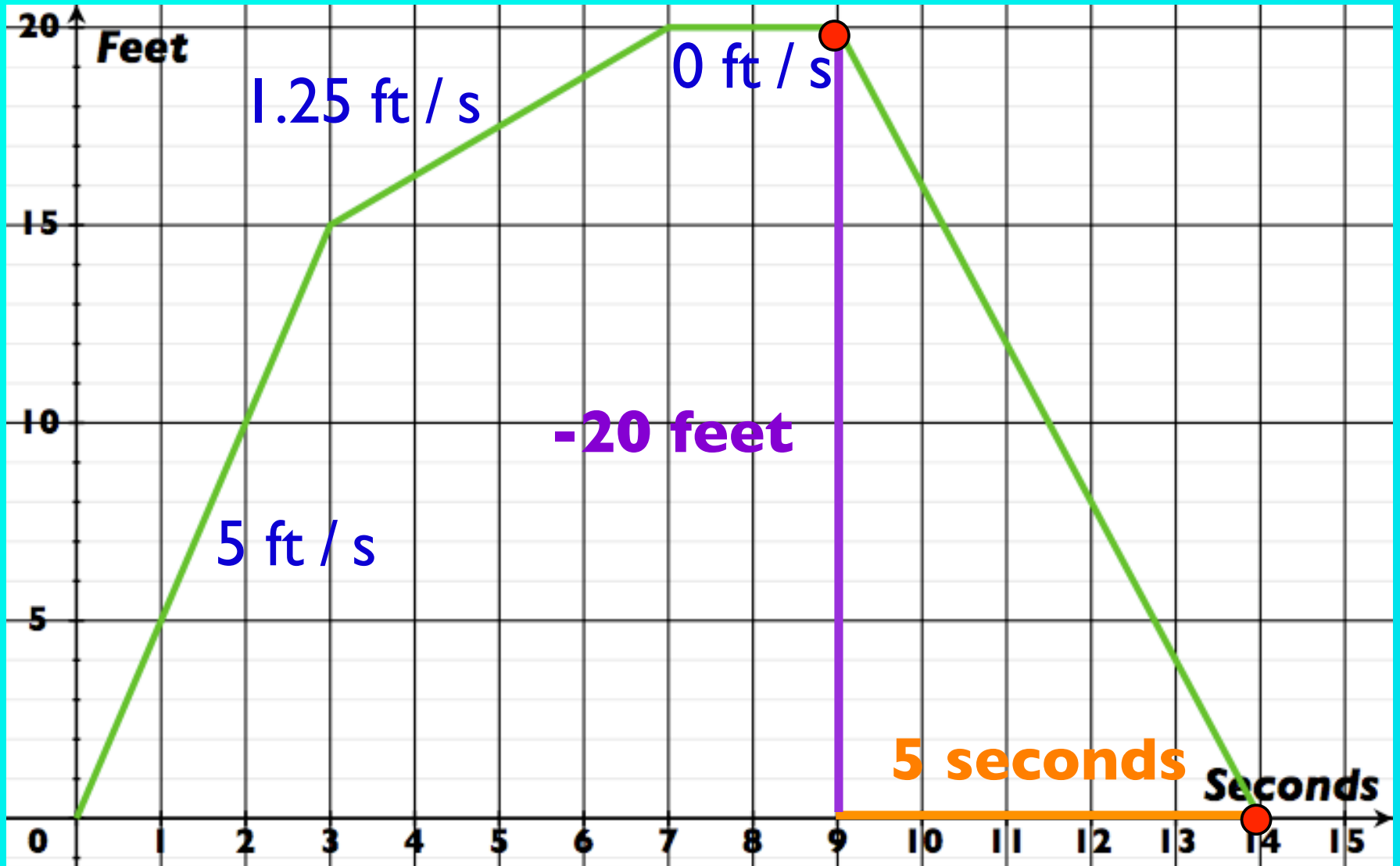
$$\frac{15 \text{ feet}}{3 \text{ seconds}} = 5 \text{ ft / s}$$



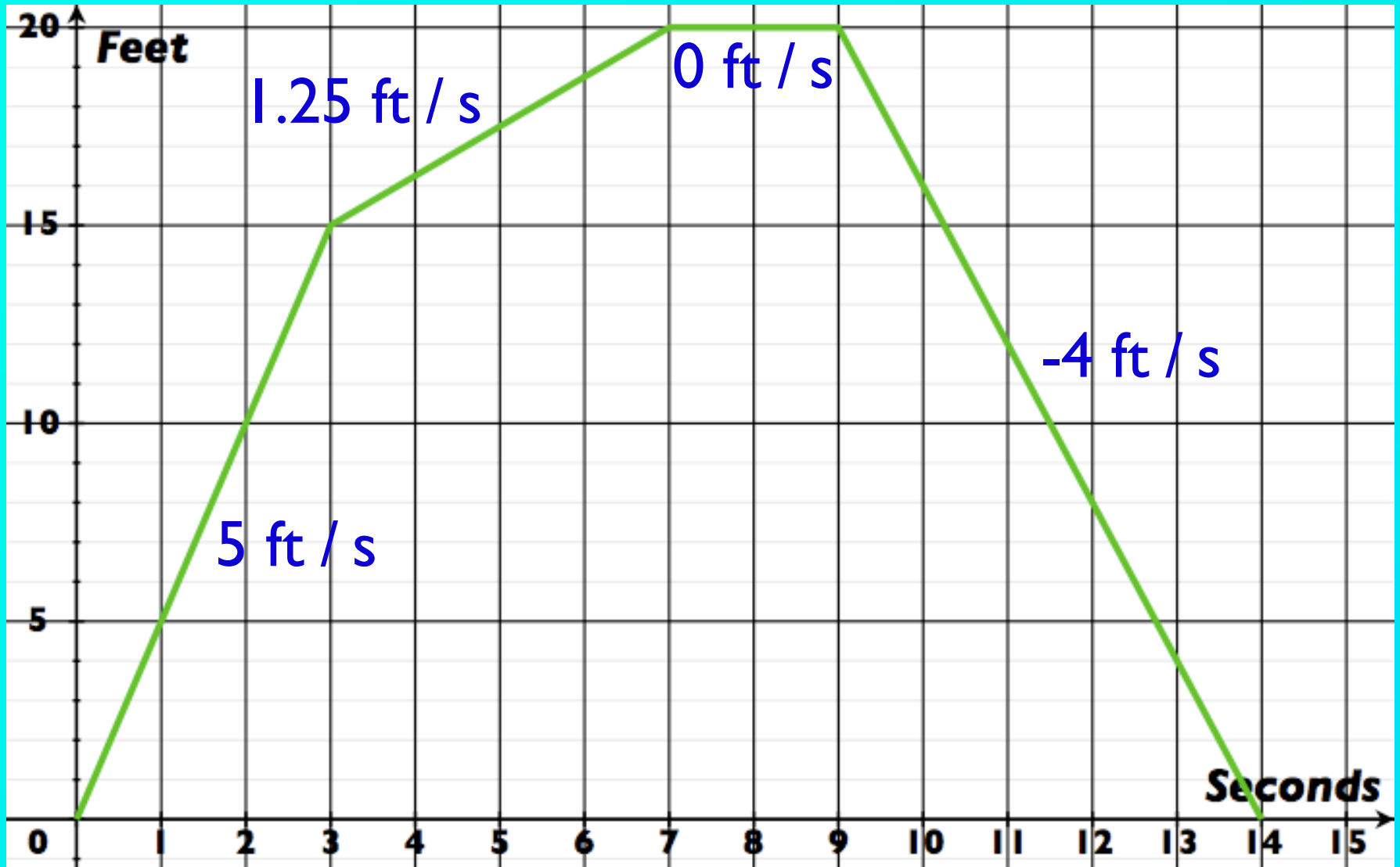
$$\frac{5 \text{ feet}}{4 \text{ seconds}} = \frac{5}{4} \text{ ft / s} \text{ or } 1.25 \text{ ft / s}$$



$$\frac{0 \text{ feet}}{2 \text{ seconds}} = 0 \text{ ft / s}$$

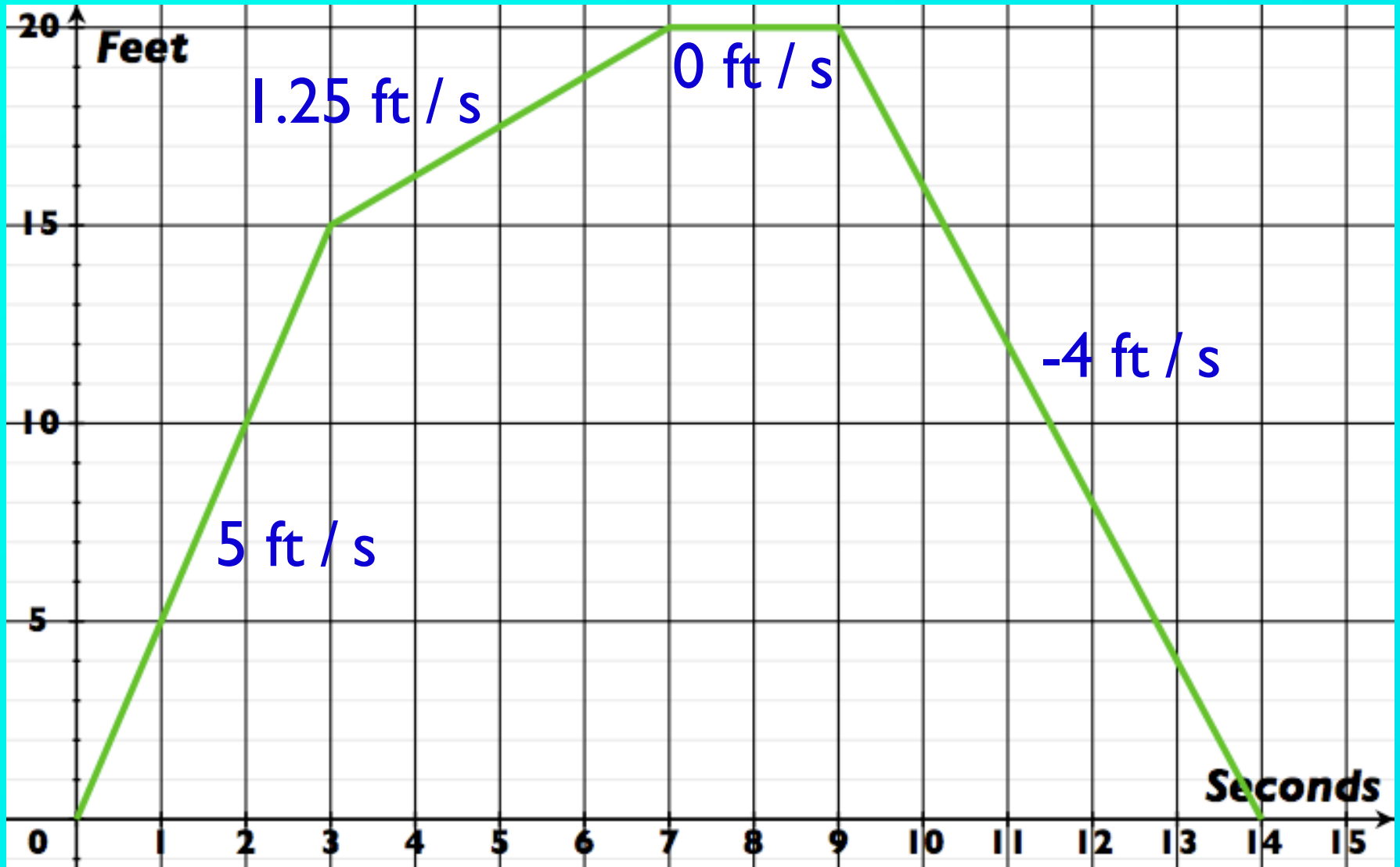


$$\frac{-20 \text{ feet}}{5 \text{ seconds}} = -4 \text{ ft / s}$$

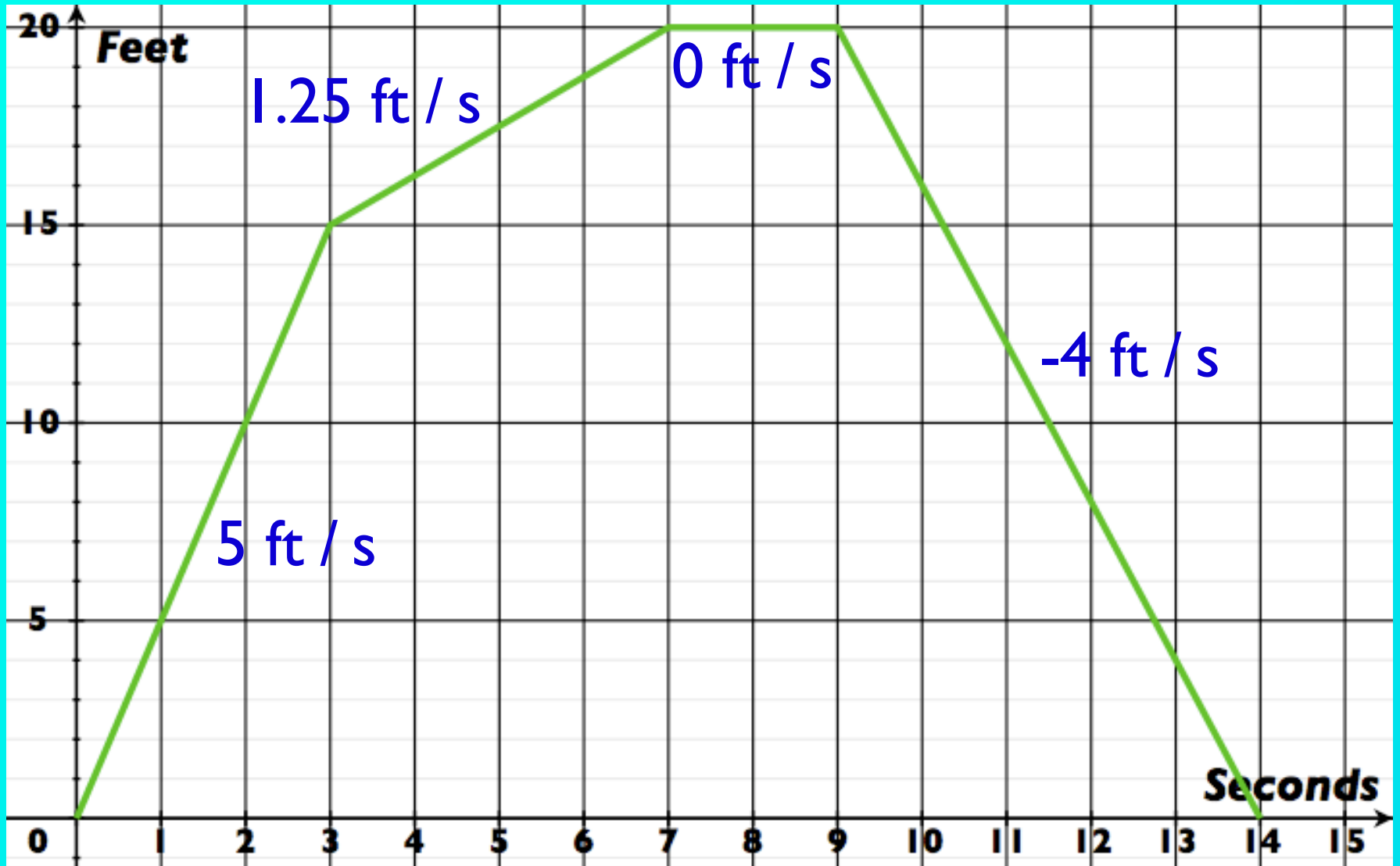


**Running fastest? 0 to 3 seconds**

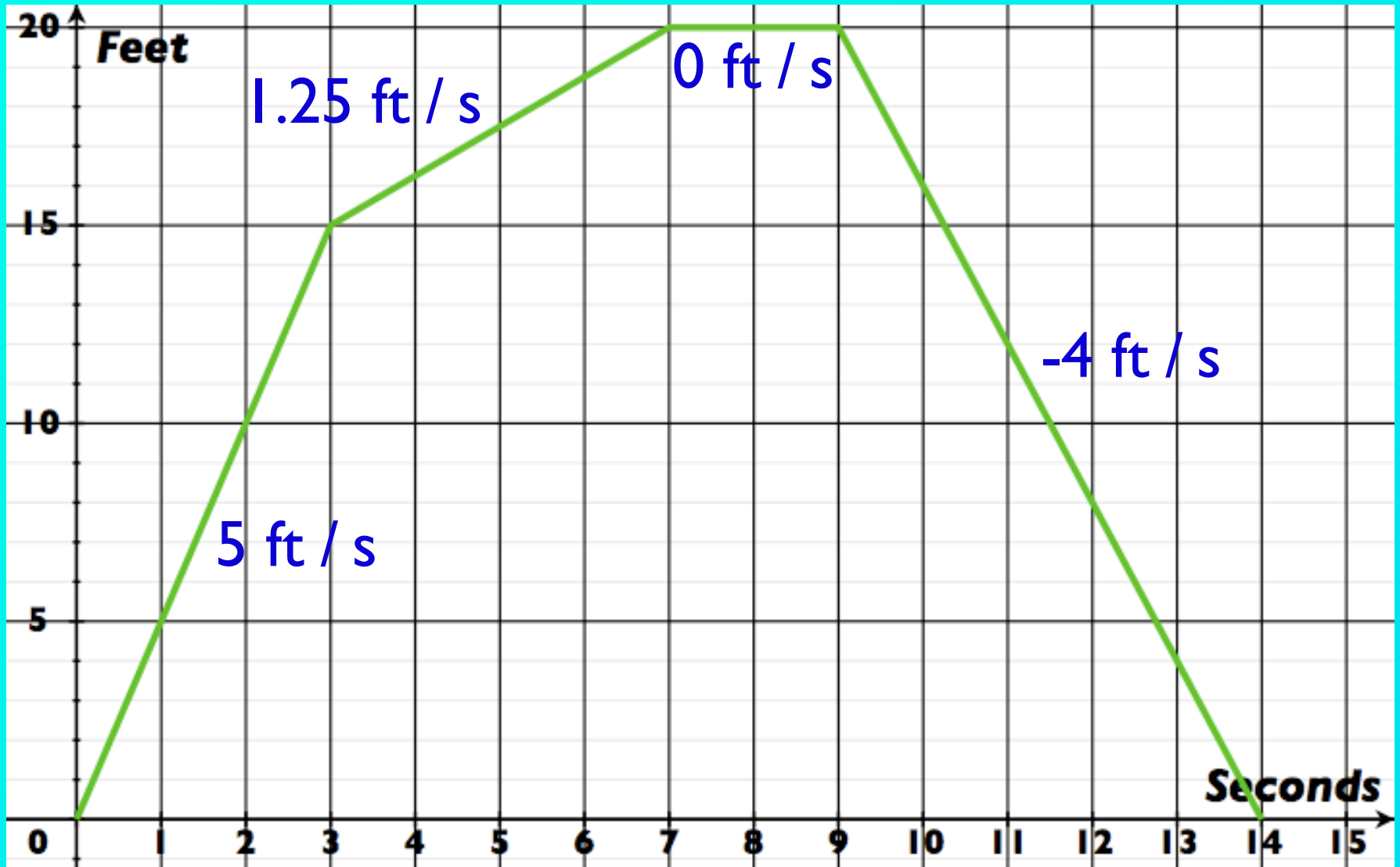




**Running slowest? 3 to 7 seconds**

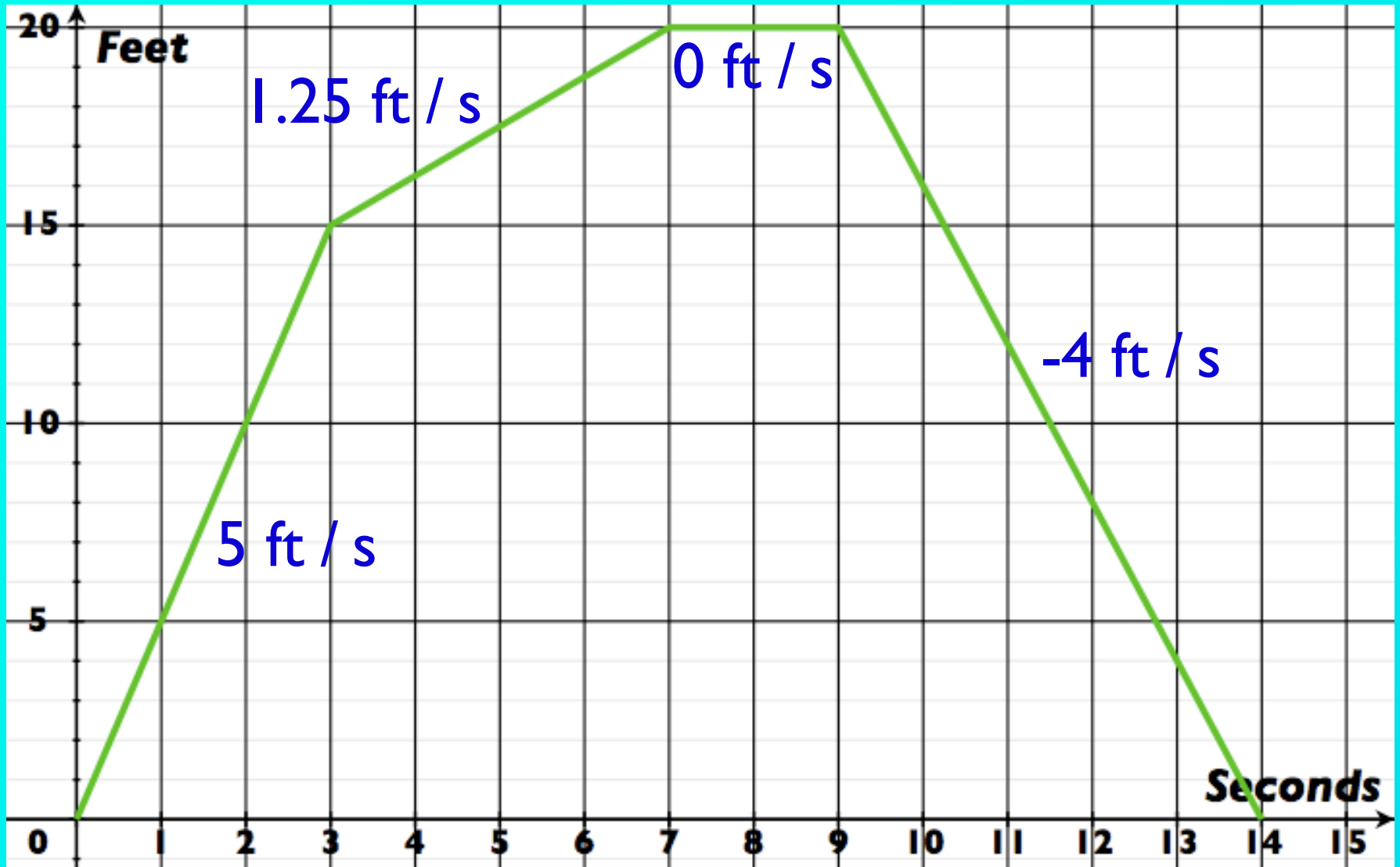


**Not moving at all? 7 to 9 seconds**



**Running away from the starting line?**

**0 to 7 seconds**



Running toward the starting line?

9 to 14 seconds

