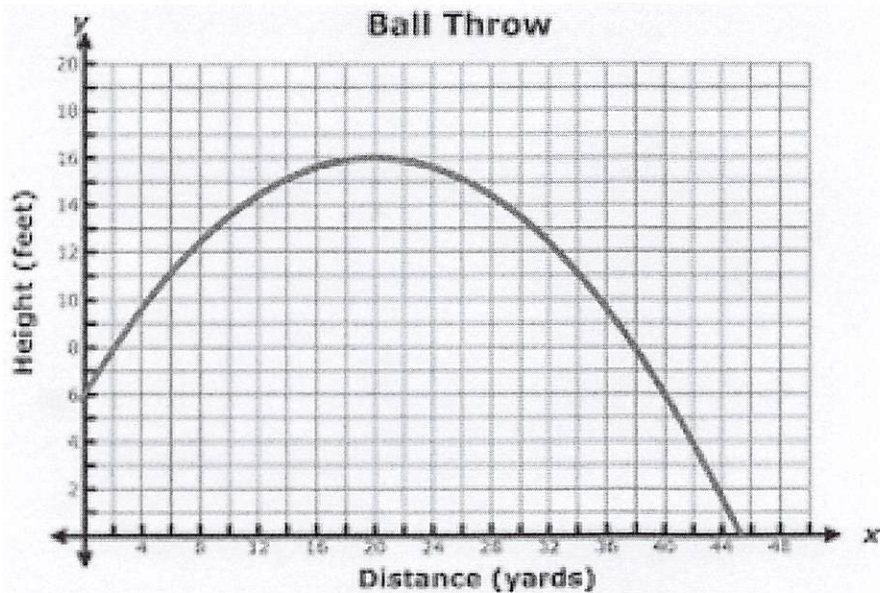


READING A GRAPH – BALL THROW

Let's consider the following graphs. Try to answer the following questions if it represents a ball throw. *You can use approximations.*

- a) What is the domain of the model? Should we use everything that is represented? *+ Range*
 b) At what original height was the ball thrown?
 c) What maximum height did it reach?
 d) where or when did it reach its maximum height?
 e) when or where did it fall on the ground?
 f) what possible situation could it describe?



a) $D = [0, 45]$ *yes* $R = [0, 16]$

b) 6 ft

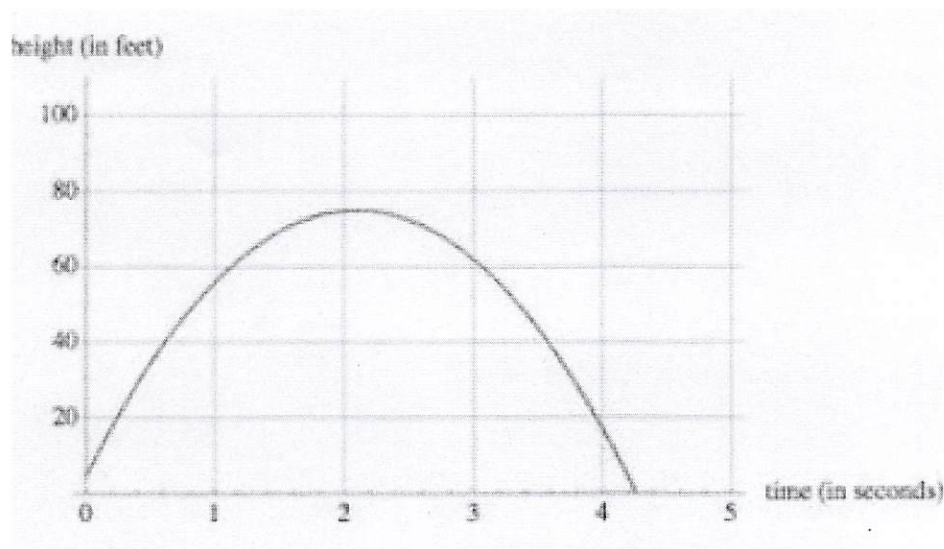
c) 16 ft

d) 20 yds from the thrower

e) 45 yds from the thrower

f) baseball?

a)



a) $D = [0, 4.2]$ $R = [0, 76]$ yes

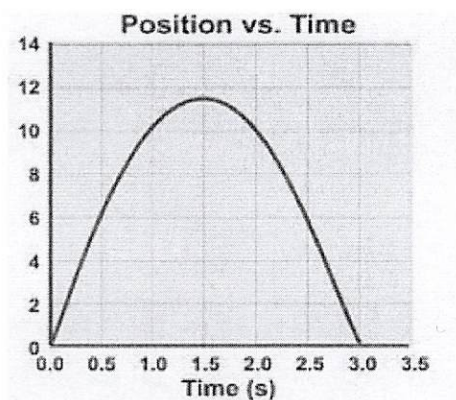
b) 5 ft

c) 76 ft

d) 2 seconds after being hit

e) 4.2 s after being hit

f) baseball?



a) $D = [0, 3]$ $R = [0, 11.5]$ yes

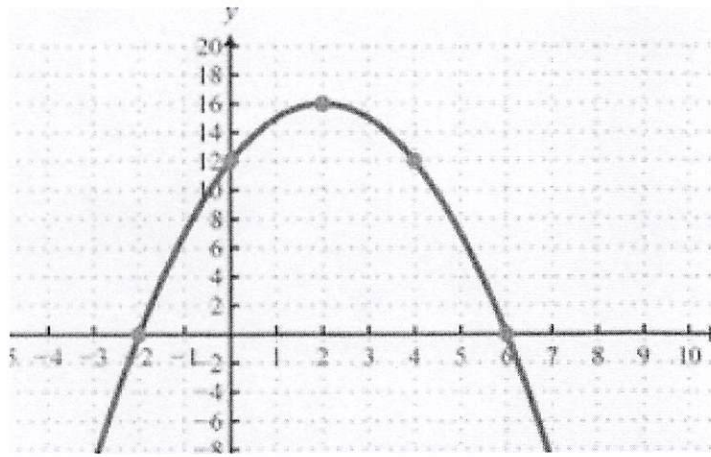
b) 0 ft (on the ground)

c) 11.5 (unit?)

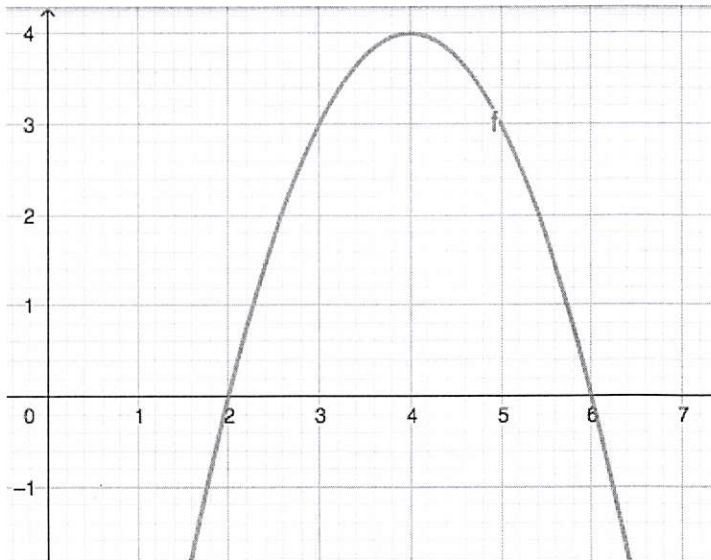
d) 1.5 s after being hit

e) 3 s after being hit

f) football?



f) ...



- Math 10
- if initial position ↓
- if time OK kick in the air
- a) $D = [-2, 6]$ or $[0, 6]$
 $R = [0, 16]$ NO
- b) 0 or 12 (unit?)
- c) 16
- d) 2 s? m? ft? .
 ↑ from the kick?
 after being hit
- e) position 6?
 6 s after hit?
 8 units from kick?

- a) $D = [2, 6]$ $R = [0, 4]$ NO
- b) on the ground
- c) 4 unit?
- d) position 4 (or time 4)
 2 units from the kick
- e) position 6 (or time 6)
 4 units from the kick
- f) football?
 Golf?