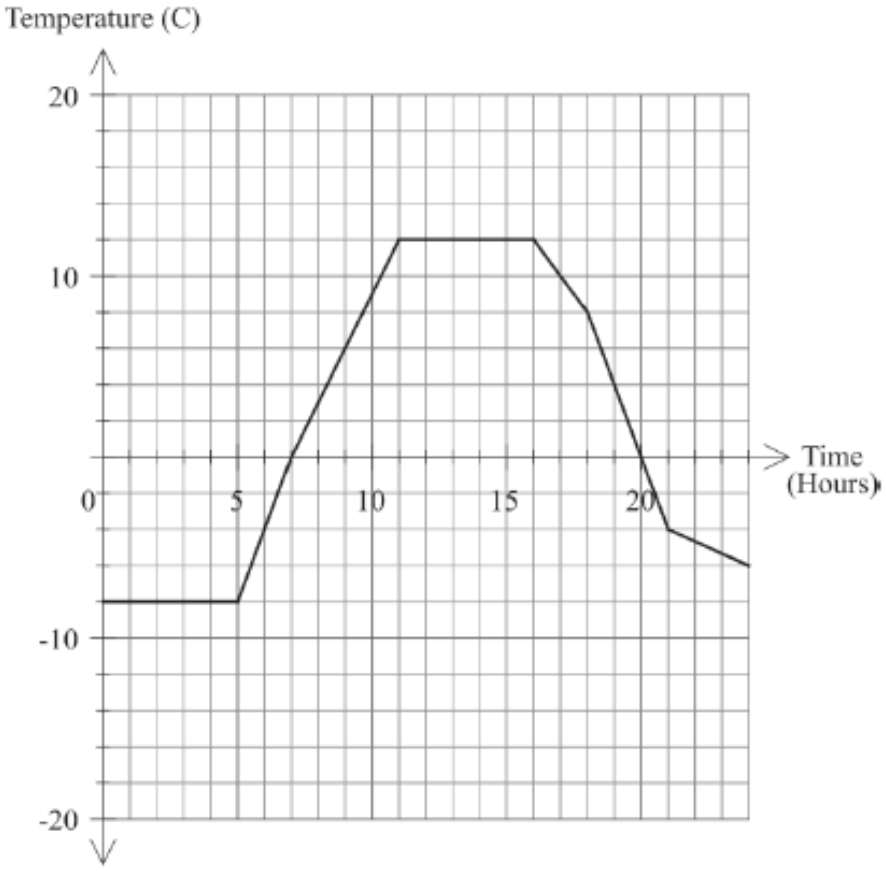
Practice on Function Notation Name: _____

1. Given function T(x) graphed below:



a) Evaluate T(15)

b) Evaluate T(9)

c) When is this function constant?

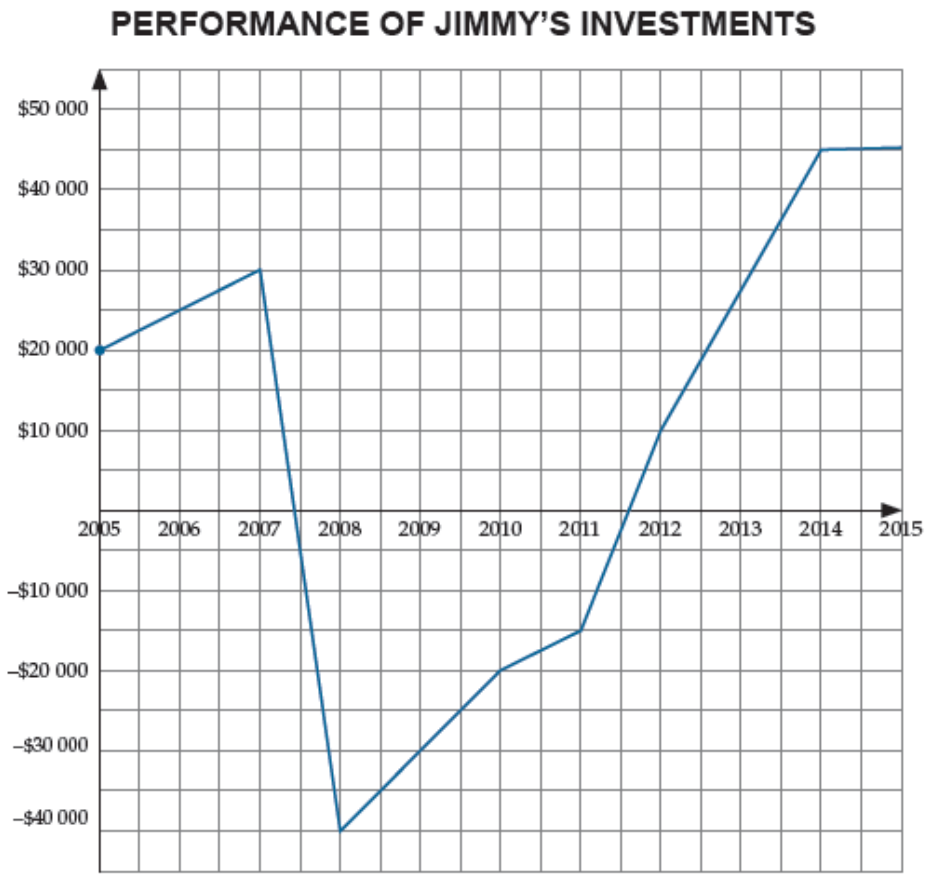
d) When is T(x) = 0?

e) When is T(x)= - 8?

f) When is T(x) = -4?

g) When is T(x) = 10?

2. Given function I(x) graphed below:



a) Evaluate I(2005)

b) Evaluate I(2012)

c) When is this function constant?

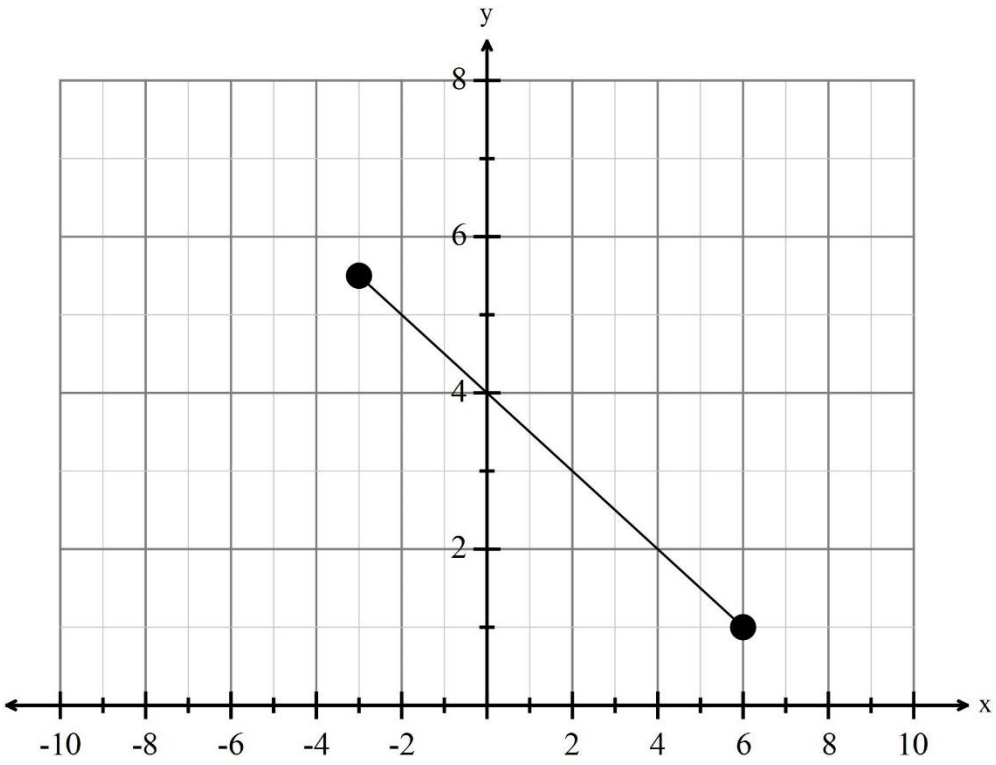
d) When is I(x) = 0?

e) When is I(x)= -15 000?

f) When is I(x) = 20 000?

g) When is I(x) = 30 000?

3. Given function f(x) graphed below:



a) Evaluate f(4)

b) Evaluate f(9)

c) Evaluate f(0)

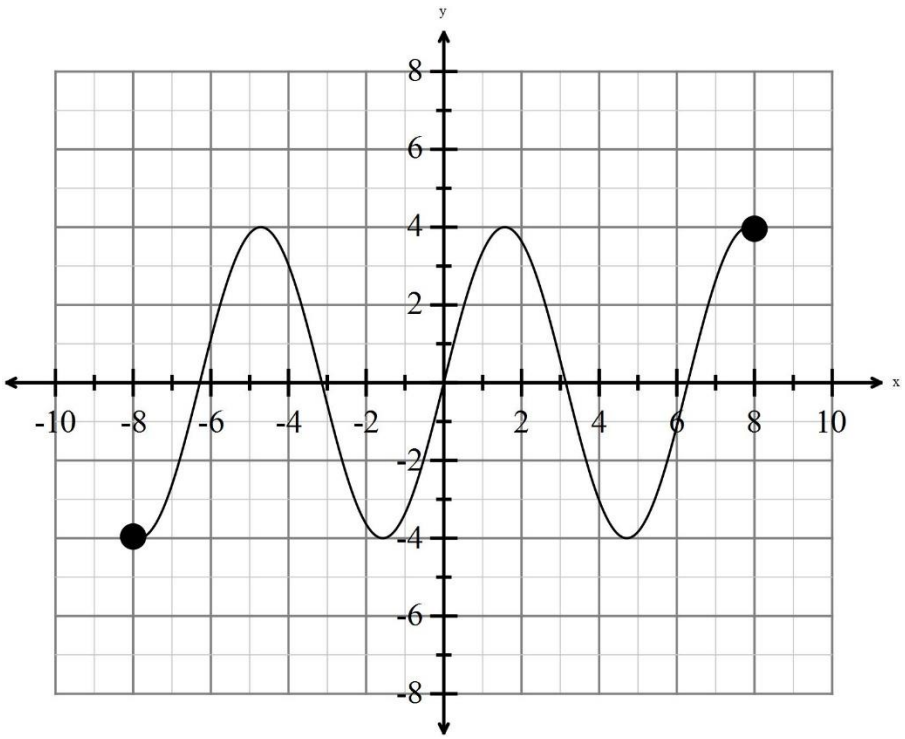
d) When is f(x) = 0?

e) When is f(x)= 4?

f) When is f(x) = -3?

g) When is f(x) = 6?

4. Given function g(x) graphed below:



a) Evaluate g(0)

b) Evaluate g(9)

c) When is this function constant?

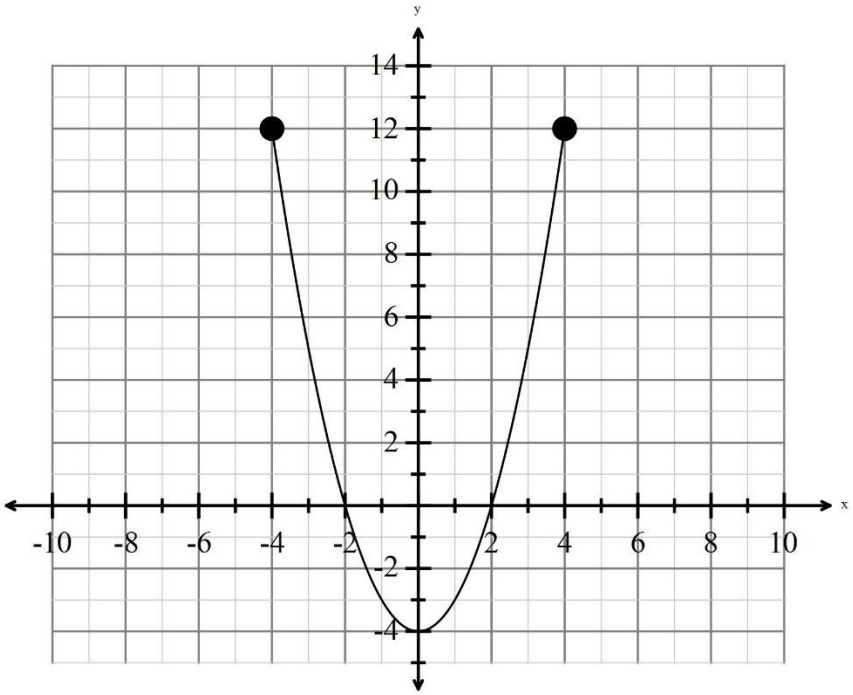
d) When is g(x) = 0?

e) When is g(x)= - 8?

f) When is g(x) = -4?

g) When is g(x) = 4?

5. Given function h(x) graphed below:



a) Evaluate h(4)

b) Evaluate h(-2)

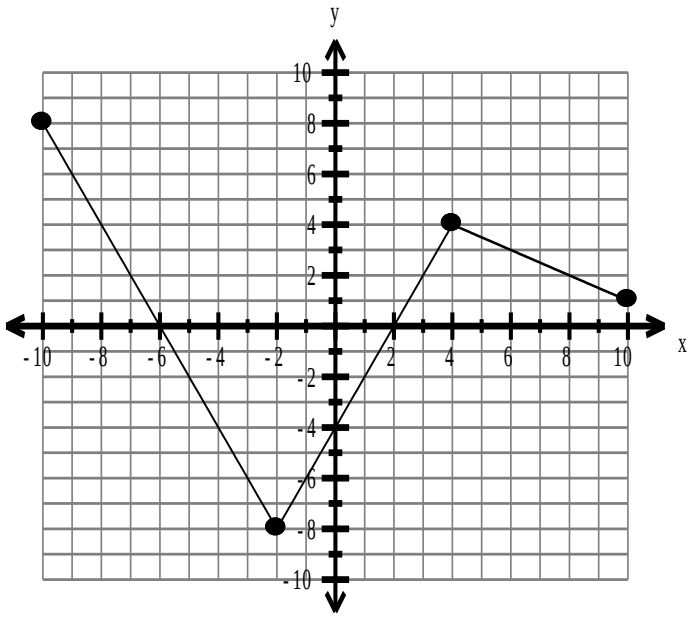
c) When is this function constant?

d) When is h(x) = 0?

e) When is h(x)= - 4?

f) When is h(x) = 12?

6.



a) Evaluate f(4)

b) Evaluate f(-2)

c) When is f(x) = 0?

d) What are the zeroes of this function?

e) When is f(x)= - 4?

f) What is f(0)?

g) What is the y-intercept of this function?