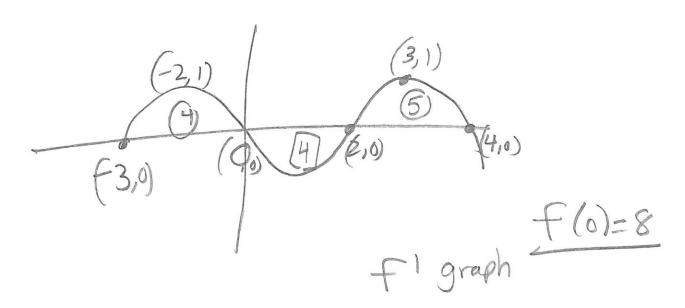
## Motion Open Response



- A) Relative Max for F
- B) Relative um for f
- c) inflection points for f
- d) f(2) e) f(4) f) f(-3)
- 9) Where is fincreasing factorising from cause op and increasing

Type 2

(32)

(0,-2)

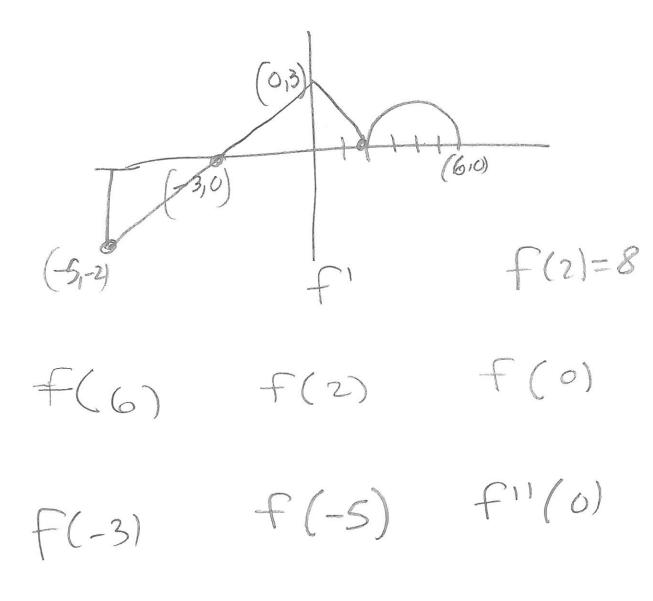
fgraph fg g(x) = f(x) dt2 g(5) g(6) g(6) g(-3)

g(2) g(5) g(0) g(-3) g'(3) g''(3) g''(4)

telatre wax for g >

Absolute Max forg
Absolute Mm forg

Type 3



f"(-3) absolute for f

Min

## Solutions Motion Open Response

$$d) f(2) = f(6) = 8$$
  
8+area 8-4=(4)

$$e) - f(4) = 8 - 4 + 5 = 9$$

Type 2 Solutions

$$g(x) = \int_{0}^{x} f(x) dx$$

we stant at  $x = 3$ 
 $g(2) = 0$  since  $\int_{0}^{2} = 0$ 
 $g(5) = 3$  since are a is positive 3 friangle

 $g(6) = 2$  area is neg 2 but going backwards

turns positive

 $g(-3) = 5$ 
 $g'(3) = 1$ 
 $g'(3) = 1$ 
 $g''(3) = 2$ 
 $g''(3) = 2$ 
 $g''(3) = 3$ 
 $g''(4) = 6$ 
 $g''$ 

$$f(z) = 8$$

$$f(-3) = 8 - area$$
 (we aregoing backwards  $= 8 - 7.5 = (.5)$  so negative anea is positive.)

$$f(-5) = 8 - 7.5 + 2 - 2.9$$