3smx = X 48: 1(x) = 3 sin x -x +(x) = 3 cos X -/ X-f(x)/f'(x) 2,2958675 三八 2. 2789718 2.2958675 2.278862 2.2788627 2,2789718 2,2788627 2.2788 627

Be cause X- fix = -X, fix to the new points we bouncing back and forth between (x, f(x)) and (-x, f(-x)), it will never converge.

4.9: (40.
$$f''(x) = 8x^2 + 5$$
, $f(1) = 0$, $f'(1) = 8$
 $f'(x) = \int 8x^2 + 5 dx = 2x^4 + 5x + C$
 $f'(1) = 2 + 5 + C = 8$, $C = \int$
 $f'(x) = 2x^4 + 5x + \int dx = \frac{2}{5}x^5 + \frac{5}{2}x^2 + x + D$
 $f(x) = \int 2x^4 + 5x + \int dx = \frac{2}{5}x^5 + \frac{5}{2}x^2 + x + D$
 $f(1) = \frac{1}{5} + \frac{5}{2} + \int dx = \frac{35}{10}$

(4.9:52. When f>0, only a and c are increasing, when f<0, among a and c, only a is decreasing. So f is derivative of a. And a is the articlerivative of f.

