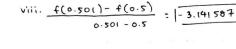
APCAIC AB: HW 1.4

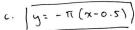
= 69.667 bpm

= 71 bpm

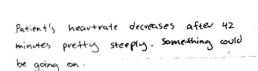


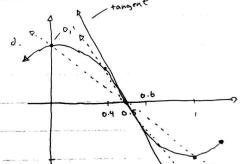
3080 - 2948





= 66 bpm





Estimate after t=42, around 66 bpm?

4. a. Let f(x) = cos Tx

$$\frac{f(0.5) - f(0)}{0.5 - 0} = \boxed{-2}$$

i.
$$\frac{\phi(2)-\phi(1)}{2-1}$$
: 4.42 m/s

8. α. Let f(x)= 2 sin πx + 3 cos πx

i.
$$\frac{f(z)-f(i)}{2-1}=|6|$$
 cm/s

ii.
$$\frac{f(1,1)-f(1)}{1\cdot(-1)} = \left[-\frac{4.712 \text{ cm/s}}{1}\right]$$

iv.
$$\frac{(1.001) - 4(1)}{1.001 - 1} = (-6.268 \text{ cm/s})$$