$$S(x) = \sqrt{x} \quad A = 4$$

$$S(x) = \sqrt{x}$$

$$S(y) =$$

Question 110 F'(x)= x-11 3(x-6)/3 F'(x)= 2x-14 9(x-6)/4 (a) o 5'(x)=0= x-4 3(x-6)/3=0=x-4=0 +4+4 x-4 F"(4)= 2(4)-14 = 4-14 = -6 24 is > 0 so 5(4) co no local minimum 70 (b): From B X=4 13 Wlocal max as f (4) (0 ()° 2x-14 9(x-6) 70 2x-14 9(x-6) 9(x-6) 90 Converse up