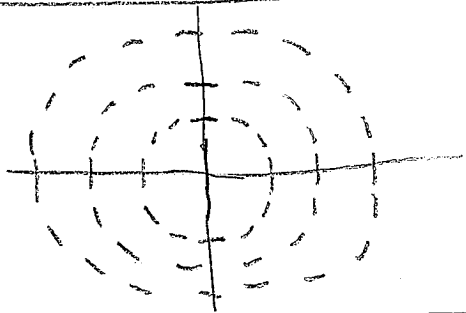


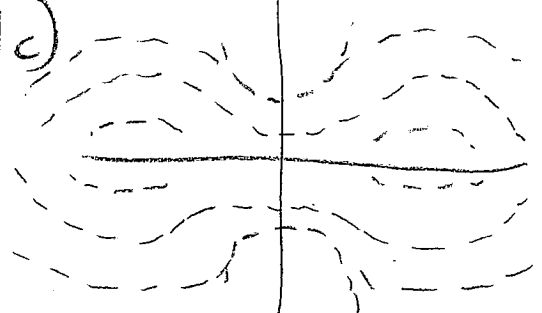
CHAPTER 11 YOUR TRY ANSWERS

$$11a) y = \pm \sqrt{\ln x^2 + C}$$

11b)



11c)



11d) APPROXIMATELY $f(3) \approx 1.95$.

$$11e) \ln(y+1) = \sqrt{x^2+1} + C \quad \text{OR} \quad y = Ce^{\sqrt{x^2+1}} - 1$$

$$11g) y = \frac{1}{4}x^3 + \frac{C}{x}$$

$$11h) y = C_1 e^{-5x} + C_2 e^{x/3}$$

$$11i) y = C_1 e^{2x} + C_2 e^{-2x} + \frac{1}{5} e^{3x}$$