Start here for Question Number:

$$\chi^2 - 4\chi = 0$$

$$\therefore a = 2 \quad \text{and} \quad b = 1$$

: Eqn:
$$(x+1)^2 + (y-2)^2 = 25 - 4$$

$$2x + 3 = 9$$
 or $-2x - 3 = 9$

$$2\chi = 6 \qquad -2\chi = 12$$

$$\chi = -6$$

$$x = 3 \quad \text{or} \quad x = -6$$

e)
$$\frac{d}{dx}(x^2+anx) = 2x +anx + x^2(xc^2x)$$

$$r = -\frac{7}{3} < 1$$

$$S_{1} = \frac{a}{1-r}$$

$$g)+(x)=\sqrt{\chi-8}$$

278 is reg'd domain -#