Start here for

Question Number:

a)
$$\pi^{2} = 4\pi$$

 $\pi^{2} - 4\pi = 0$
 $\pi(\pi - 4) = 0$
 $\pi = 0 \text{ or } 4$

$$\frac{1}{\sqrt{5}-2} = a + b \sqrt{5}$$

$$\frac{1}{\sqrt{5}-2} \times \frac{\sqrt{5}+2}{\sqrt{5}+2}$$

$$\frac{5}{5}+2$$

$$\frac{5}{5}+2$$

$$\frac{3}{5}+2$$

$$\frac{3}{5}+2$$

$$\frac{3}{5}+2$$

$$\frac{3}{5}+2$$

$$\frac{3}{5}+2$$

$$\frac{3}{5}+2$$

$$\frac{3}{5}+2$$

c) (he(-1,2) - 5

$$(x+1)^2 + (y-2)^2 = 5^2$$

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

$$2n+3=9$$
 or $-(2n+3)=9$
 $2n=6$ $-2n-3=9$
 $n=3$ $-2n=12$
 $n=-6$

es retarna

Let y= n2 tanni

$$u = n^2$$
 $v = tan n$
 $u = 2x$ $v' = sec^2x$

$$y' = u.v' + v.u'$$

$$= n^2 \cdot sec^2n + tann. 2n$$

$$= n (n. sec^2n + 2 + ann)$$

$$f)$$
 $1-\frac{1}{3}+\frac{1}{9}-\frac{1}{27}+\dots$

$$q = 1$$

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2) Let $F(x) = \sqrt{2-8}$ Domain x > 1/8