Solutionis (complex numbers) ->

class No:3 (sey wale Questions)

$$= \sqrt{\chi^2 + (y-5)^2} = \sqrt{\chi^2 + (y+5)^2}$$

$$\frac{0}{z} = \frac{1}{z} + \frac{1}{z} = 1$$

$$\frac{1}{|z+1-i|} = 1$$

(SOLUMNY COMPLIA ND: Class=3)

$$|(x+1)+i(y-1)| = |(x-1)+i(y+1)|$$

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

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$$|(x+1)^2+(y+1)^2+(y+1)|$$

$$|(x+1)^2+(y+1)^2+$$

$$\frac{1}{2} + \frac{7}{4} + \frac{7}{4} - \frac{7}{4} + \frac{1}{6} = (x^2 - 2x + 5)(x + 9) + (12x + 29)$$

$$= 0(x + 9) + (12x + 29)$$

$$= 12x + 29$$

$$= 12(1 + 2i) - (29)$$

$$= -17 + 24i$$

$$0 \frac{12}{2} + \frac{7}{2} = \frac{1 - iz}{2 - i}$$

$$9 \frac{1}{2} = 1$$

$$= \frac{1 - iz}{2 - i} = 1$$

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The atib =
$$\frac{(+i)'}{(-i)}$$

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Atib = $\frac{(-i)'}{(-i)'}$

Atib =

(ii)
$$a^{2}+b^{2} = \left(\frac{c^{2}-1}{c^{2}+1}\right)^{2} + \left(\frac{2c}{c^{2}+1}\right)^{2} - \frac{c^{4}+1-2c^{2}}{\left(c^{2}+1\right)^{2}} + \frac{4c^{2}}{\left(c^{2}+1\right)^{2}}$$

$$= \frac{c^{4}+2c^{2}+1}{\left(c^{2}+1\right)^{2}}$$

$$= \frac{c^{2}+\sqrt{2}}{\left(c^{2}+1\right)^{2}} = 1 - Ry$$

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Quedique farmulg

$$x = 30 \pm \sqrt{900 - 1100}$$

$$\frac{30 \pm \sqrt{-200}}{50} = \frac{30 \pm 10\sqrt{2}i}{50}$$

$$\frac{1}{x = -1 \pm \sqrt{1-20}}$$