22. $4y^2 + 4y + 8x = 15$ -8x -8x $4(y^{2}+y+\frac{1}{4}) = -8x+15 + 4(2)$ $4(y+\frac{1}{2})^{2} = -8x + 16$ $4(y+\frac{1}{2})^{2} = -8(x-2)$ $(\gamma + \frac{1}{2})^2 = -2(x - 2)$ GR $(\gamma + \frac{1}{2})^{2} = 4(-\frac{1}{2})(x - 2)$

 $-4y^{2} = 36 \quad 9(x^{2} + y^{2} = 4)$ $+ 9y^{2} = 36 \quad 4 \quad 4$ $+ 9y^{2} = 36 \quad 4 \quad 4$ $x^{2} + 0^{2} = 4$ $x^{2} = 0 \quad 4 \quad x^{2} = 4$ $y^{2} = 0 \quad 4 \quad x^{2} = 4$ $y^{2} = 0 \quad x = \pm 2$ y = 0(-) (2,0)(z) $x^{2} + 2y^{2} = 9$ $x^{2} = 9 - 2y^{2}$ $3k^2 - y^2 = 1$ $3(9-2y^2)-y^2=1$ y = 1 $-7y^{2} = -26$ $y^{2} = \frac{26}{7}$ $x^{2} = 1.6$ 27- 6y2-y2=1 $Y = \pm \sqrt{\frac{26}{7}} / X \approx \pm 1.3$ (1.3, 1.9) (-1.3, 1.9) (1.3, -1.9) (-1.3, -1.9) $(\pm | .3, .1.9)$ $(\pm 1, 3, -1.9)$

May 07 2013 6th.gwb - 3/4 - Tue May 07 2013 13:08:20

3) ex.1 $9x^{2} + 25y^{2} = 225$ $25(x^{2}+y^{2}-2x=15)$ $(7) \frac{25x^{2} + 25y^{2} - 50x}{9x^{2} + 25y^{2}} = 225$ $(7) \frac{9x^{2} + 25y^{2}}{16x^{2}} = -50x = 150$ $|bx^2 - 5bx - 15b = D$ $X = 50 \pm \sqrt{(-50)^2 - 4(16)(-150)}$ 2(16) $X = \frac{50 \pm \sqrt{12,100}}{32} = \frac{50 \pm 1.10}{32} = 5, -1.875$ $x^{2} + y^{2} - 2x = 15$ x = 5 $x^{2} + y^{2} - 2t(5) = 15$ $x^{2} + y^{2} - 2t(5) = 15$ $(-1.875)^{2} + y^{2} - 2(-1.875) = 15$ $y^{2} + 15 = 15$ $y^{2} = 0$ $y^{2} = 15 - 2(1.875) - 1.875^{2}$ $y^{2} = 0$ $y^{2} = 7.7$ y = 0 $y^{2} = 7.7$ (-1.9, 2.8) (-1.9, -2.8)

p. 682-684 18, 16 13 -42b, 50