19.

$$\chi^{2} - 10\chi + 25\chi + 12g + 36g = -45g + 25g + 25g + 25g + 36g + 36$$

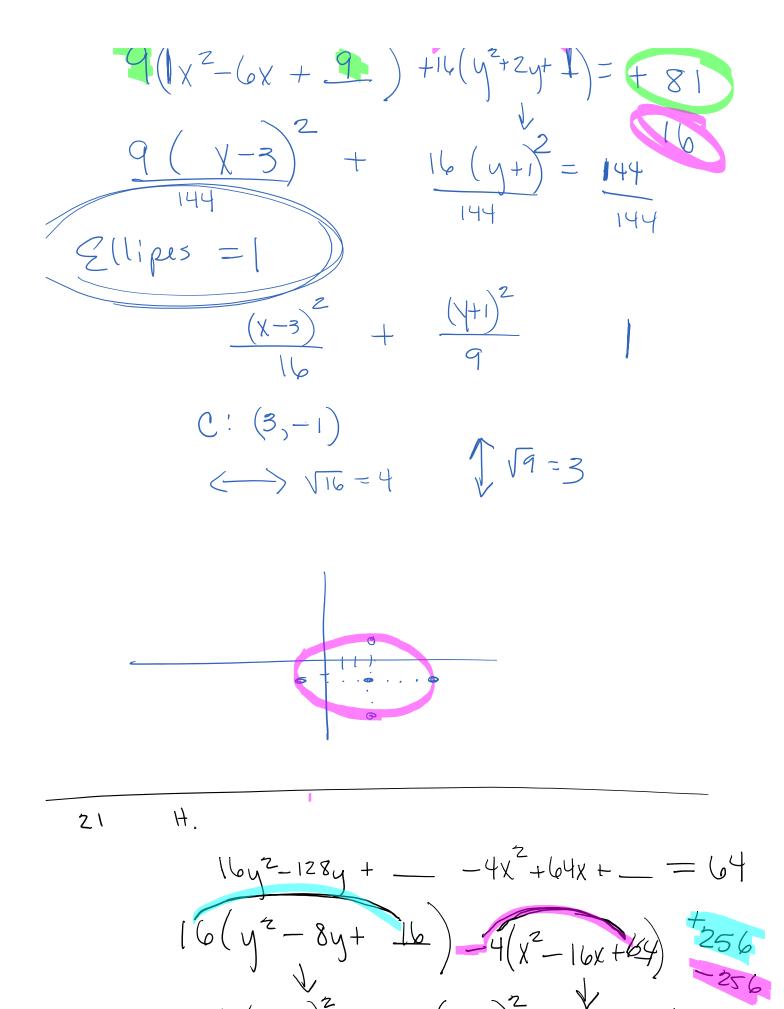
$$(5,6)$$

 $r = 4. = \sqrt{16}$

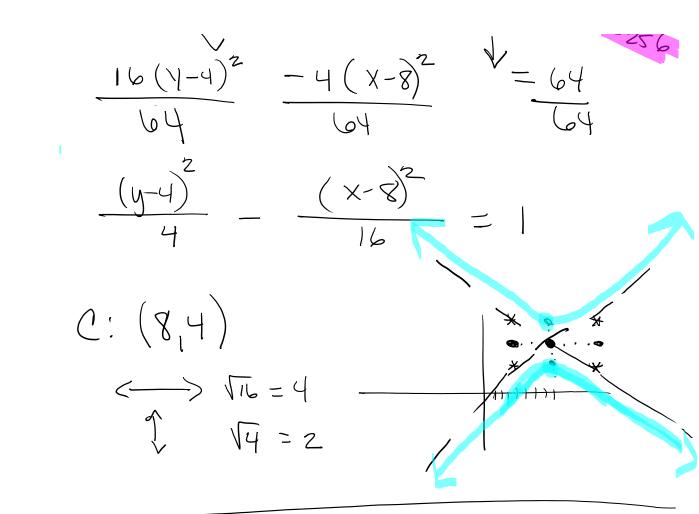
20.

$$9x^{2}-54x+ - +16y^{2}+32y+ - = 47$$

Factor!
 $9(x^{2}-6x+9)+16(y^{2}+2y+1)= +81$



Algebra 2 Page 2



$$by^{2} - 2x - 24y + 10 = 0$$

$$by^{2} - 24y = 2x - 10 + 24$$

$$b(y^{2} - 4y + 4) + 4$$

$$b(y^{2} - 4y + 4) + 5 = 2x - 14$$

$$b(y^{2} - 2)^{2} + 14 = 2x$$

$$b(y^{2} - 2)^{2} + 14 = 2x$$

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 $3(y-z) + 7 = \chi$

