010001100

17 29

 $4.56\ 4.56\ 4\ 5\ 4\ 5\ 4.56\ 4.56\ \pi\ e\ e\ i\ i\ \gamma\ \infty$ 

22 7 π

a11a12...a1na21a22...a2n : am1am2...amnx1x2 : xn=b1b2 : bn

 $fx = \sum j = 0 \infty fj0j!xj$ 

$$x 2 - 9 = x 2 - 32 = x - 3x + 3$$

$$x 2 - 9 = x 2 - \boxed{3}$$

a x 2 + b x + c = 0 a x 2 + b x = -c x 2 + b a x = -c a Divide out leading coefficient. x 2 + b a x + b 2 a 2 = -c (4 a) a (4 a) + b 2 4 a 2 Complete the square. (x + b 2 a) (x + b 2 a) = b 2 - 4 a c 4 a 2 Discriminant revealed.  $(x + b 2 a) 2 = b 2 - 4 a c 4 a 2 x + b 2 a = b 2 - 4 a c 4 a 2 x = -b 2 a \pm \{C\} b 2 - 4 a c 4 a 2 There's the vertex formula. <math>x = -b \pm \{C\} b 2 - 4 a c 2 a$