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 $4.56\ 4.56\ 4\ 5\ 4\ 5\ 4.56\ 4.56\ \pi\ e\ e\ \mathring{\it{l}}\ \mathring{\it{l}}\ \gamma\ \infty$

22 7 π

a 1 1 a 1 2 ... a 1 n a 2 1 a 2 2 ... a 2 n : a m 1 a m 2 ... a m n x 1 x 2 : x n = b 1 b 2 : b n

 $fx = \sum_{i=0}^{\infty} j=0 \infty fj0j! xj$

$$x2 - 9 = x2 - 32 = x-3 x+3$$

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. $x = -b \pm \{C\}$ b 2 - 4 a c 2 a