```
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 + c
+ 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
0\,1\,0\,0\,0\,1\,1\,0\,0
4.56\ 4.56\ 4\ 5\ 4\ 5\ 4.56\ 4.56\ \pi\ e\ e\ \mathring{l}\ \mathring{l}\ \gamma\ \infty
17 29
\int 0.1 \, dx \, (a + 1) \, x = \pi
[E(\alpha f + \beta g)d\mu = \alpha [E f d\mu + \beta ]E g d\mu
A = (986127492605) or A = [986127492605]
[a 11 - \lambda \cdots a 1n : \cdot \cdot : a n1 \cdots a nn - \lambda] [x 1 : x n] = 0
x - 3 + 3x + 3xx - 3 + iy 2(r + x)
\sum_{n} n = 0 t f(2n) + \sum_{n} n = 0 t f(2n+1) = \sum_{n} n = 0 2 t + 1 f(n)
x = |x| = \{ +x, if x > 0 \ 0, if x = 0 - x, if x < 0 \}
H(j\omega) = \{x - j\omega\sigma 0 \text{ for } |\omega| \le \omega\sigma 0 \text{ for } |\omega|\omega\sigma
x = -b \pm b + 2 - 4 + a + c + 2 + a
f'(a) = \lim_{h \to 0} f(a+h) - f(a)h
1 + \sum_{i} k = 1 \times q k + k 2 (1 - q) (1 - q 2) ... (1 - q k) = \prod_{i} j = 0 \times 1 (1 - q 5 j + 2) (1 - q 5 j + 2)
3), for |q| < 1
```