Mathematics with the HP48G Calc

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1 Systems of Equations

1.1 System with one unknown

1. Example (1)

   (a) $4x^2 + 3x - 3 = 0$

1.2 Polynomial system

1. Example (1)

   (a) $x^2 + 4y^2 = 3$

   (b) $x = -5y^2$

   (c) $-z^2 = 3x$

1.3 Linear system

1. Example (1)

   (a) $2x - 4y + 5z = 101$

   (b) $4x + 6y - 10z = -21$

   (c) $13x - 2z = -30y$

1.4 System with two equations

1. Example (1)

   (a) $4 = \sqrt{5yx}$

   (b) $2 = \sqrt{\frac{3x}{y}}$

1.5 System with more advanced equations

1. Example (1)

    (a) $z^3 = y^2 \cdot x$

    (b) $\sqrt{x} = log(3z^2)$

    (c) $5zx = y^x$