

**SAMSUNG**

# GSM TELEPHONE

## SGH-X520

# ***SERVICE*** *Manual*

### GSM TELEPHONE



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# Samsung Sgh X520 Service Manual

**Ensheng Dong**



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web the discriminant is the part of the quadratic formula underneath the square root symbol  $b^2 - 4ac$  the discriminant tells us whether there are two solutions one solution or no solutions quick review of the quadratic formula the quadratic formula says that  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$  for any quadratic equation like  $ax^2 + bx + c = 0$

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web the quadratic formula in terms of the discriminant is  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$  example find the discriminant of the quadratic equation  $2x^2 - 3x - 8 = 0$  comparing the equation with  $ax^2 + bx + c = 0$  we get  $a = 2$ ,  $b = -3$  and  $c = -8$  so the discriminant is  $\Delta = b^2 - 4ac = (-3)^2 - 4(2)(-8) = 9 + 64 = 73$  discriminant of cubic equation

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web find the value of the discriminant of each quadratic equation  $1. 6p^2 - 2p - 3 = 0$   $2. 2x^2 - x - 1 = 0$   $3. 4m^2 - 4m - 5 = 0$   $4. 5b^2 - b - 2 = 0$   $5. r^2 - 5r - 2 = 0$   $6. 2p^2 - 5p - 4 = 0$   $7. 6p^2 - 5p - 4 = 0$  find the discriminant of each quadratic equation then state the number of real and imaginary solutions

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two real solutions or  $x$   $x$   $x$  intercepts