QUADRATIC EQUATION & BINOMIAL THEOREM Quadratic Equation = A polynomial of two degree is called a quadratic expression with the form of; y= ax2 + bx +c where a == 0 By the process of completing the square we $ax^2+bx+c=q[(x+\frac{b}{2a})^2-\frac{b^2+4ac}{4a^2}]$ We have the quadratic equation ax 7 bx +c = 0

1. ax 2+bx+c = a (x+3)2-b-4ac) = 0 obtain roots; x = -b + 152-4ac -b - Vb"- 4ac = Discriminant B = 5-4ac i- IF b- 4ac >0 the roots & & F are real ic If b- 4ac to the roots & & are no roots preview page 1 of 9

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