

Formula Sheet For Engineering Science N3

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Engineering Science Data Booklet Higher  
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PLTW, Inc. Engineering Formulas Mode Mean n = number of data values max events A and B and C occurring in sequence x A q = 1 P(~A) = probability of event A Engineering Formula Sheet Probability Conditional Probability Binomial Probability (order doesn't matter) P k (= binomial probability of k successes in n trials p = probability of a success

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Formula Sheet For Engineering Science N3  
IFE Formula Sheet v1.4 – Fire Engineering Science Page 14 8. ELECTRICITY Where: V = Voltage in volts I = Current in Amps R = Resistance in ohms (?) P Where: P = Power in Watts V = Voltage in volts I = Current in Amps Resistors in series: Resistors in Parallel: R Resistivity: Where: R = Resistance in ohms (?)

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IFE Formula Sheet v2.2 – Fire Engineering Science Page 10 6. MATHEMATICS Area of a Circle = 2 or = ? 2 4 Where: A = Area of circle in metres squared (m2) ? = Pi (constant – use 3.1416) r = Radius of circle in metres d = Diameter of circle in metres Volumes Sloping tank = length x breadth x average depth

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Velocity ratio VR = Input speed x input size = output speed x output size Torque T = Fr Circumference of circle C = ? d Moment of force M = Fx (x is perpendicular distance) Principle of moments ? M = 0 ? clockwise moments = ? anti-clockwise moments Conditions of equilibrium ? F. h. = 0 ? F. V. = 0 ? M = 0.

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FORMULA SHEET ENGINEERING SCIENCE N3 All the formulae needed are not necessarily included. Any applicable formula may also be used. W F.s m 1.u 1 r m 2.u 2 m 1.v 1 r m 2.v 2 D ( D t ) t W P e

Engineering Science N2 Formula Sheet  
Conic Sections Circle Standard Form 2x h y k 2 r ... General form: Ax 2+Cy2+Dx+Ey+F=0 . Pre Calculus Conic sections formula sheet: Filesize: 580 KB. Language: English. Published: November 25, 2015. Viewed: 1,388 times.

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