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Probability. Binomial Probability (order doesn ' t matter)
 P_k (= binomial probability of k successes in n trials p
= probability of a success – p = probability of failure k
= number of successes n = number of trials.
Independent Events. $P(A \text{ and } B \text{ and } C) = P(A)$.

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Equation Sheet for. Engineering Mechanics

12—Dynamics. Note: vectors are indicated by boldface type. Miscellaneous. If $ax^2 + bx + c = 0$, then $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$.

Position: $s(t)$; Velocity: $v = \dot{s} = ds/dt$; Acceleration: $a = \ddot{s} = dv/dt = d^2s/dt^2 = vdv/dx$. For. constant acceleration a_c :

Equation Sheet for Engineering Mechanics

12—Dynamics

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Engineering Dynamics Formula Sheet
Engineering Formulas
Mode Mean n = number of data values
max events A and B and C occurring in sequence
 x A $q = 1$
 $P(\sim A)$ = probability of event A.
Engineering Formula Sheet. Probability. Conditional Probability
Binomial Probability (order doesn't matter)
List of equations in classical mechanics - Wikipedia

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 $U_1 - 2 = F \cos x$. Work of the weight. $U_1 - 2 = -W$
 $y = -W(y_2 - y_1)$ Work of the force exerted by a spring. (x is the...

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Dynamics - Engineering School Class Web Sites
EDIT: A lot of people are asking about grades and
percentages. Technically a F is a 50% or something
around there. But in my case (and I ' m sure in most
engineering schools), a 70% is needed to take the next

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course in line, so unless the 70% is obtained, you ' re retaking that course even if a D is technically passing.

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Like these equations are incredibly important in

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Dynamics. SUVAT Equation 1 As you probably already know, velocity divided by time is equal to acceleration and velocity multiplied by time is equal to displacement.

Dynamics | Physics For Idiots

Thin Rectangular sheet (slab), axis parallel to sheet and passing through center of the other edge = $\frac{1}{12} M L^2$

Thin Rectangular sheet (slab), axis along one edge = $\frac{1}{3} M L^2$
Thin rectangular sheet (slab) about perpendicular axis through center = $\frac{1}{12} M (L^2 + W^2)$

PHYS 2310 Engineering Physics I Formula Sheets

$$\mathbf{I} = \begin{bmatrix} I_{xx} & & \\ & I_{yy} & \\ & & I_{zz} \end{bmatrix}$$

$$I_{xx} = \int (y^2 + z^2) dm$$

$$I_{yy} = \int (x^2 + z^2) dm$$

$$I_{zz} = \int (x^2 + y^2) dm$$

$$I_{xy} = -\int xy dm$$

$$I_{xz} = -\int xz dm$$

$$I_{yz} = -\int yz dm$$

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$$\begin{bmatrix} I_{xx} & I_{xy} & I_{xz} \\ I_{xy} & I_{yy} & I_{yz} \\ I_{xz} & I_{yz} & I_{zz} \end{bmatrix}$$
 ...

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Basic Thermodynamic Formulas (Exam Equation Sheet)
Control Mass (no mass flow across system boundaries)
Conservation of mass: =

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Basic Thermodynamic Formulas (Exam Equation Sheet)

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Like these equations are incredibly important in Dynamics. SUVAT Equation 1 As you probably already know, velocity divided by time is equal to acceleration and velocity multiplied by time is equal to displacement.

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