

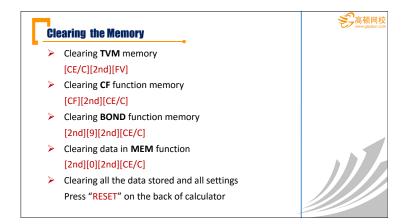
| | 4 | 用使功 | Ł | |
|----------------|------------------|------|-------------------------------|--|
| СРТ | 计算 | PV | 现值 | |
| ENTER (SET) | 輸入(设置) | РМТ | 单个复利周期的cash flow(可用于 计算年金) | |
| 2ND | 启用第二项功能 | FV | 未来值 | |
| CF | 进入cash flow的数据输入 | ٧x | 对前一个输入的数值开方 | |
| NPV | 进入NPV的计算 | x² | 对前一个输入的数值平方 | |
| IRR | 进入IRR的计算 | 1/x | 对前一个输入的数值求例数 | |
| + | 删除 | у× | 对前面的计算结果进行X次方 | |
| N | 复利周期的次数 | STO | 存储数据 | |
| I/Y | 单个复利周期的利率 | RCL | 调用所存储的数据 | |
| t 4 | 上下移动 | CE/C | 数据归零 | |

| Unders | tanding the function | is of keys o | of your calculator | |
|-----------|------------------------------------|--------------|--------------------|--|
| | 常用血 | 含酸功能 | | |
| 2ND + . | 可设置计算结果的精确位数 /设置计算法则 | 2ND + 8 | 对输入的数据进行统计 分析 | |
| 2ND + +/- | 重新设置Chn和小数点位数 | 2ND + 9 | 可计算Bond的相关数值 | |
| 2ND + 0 | 进入memory中所存储的数 据 | 2ND + X | 计算X! (X的阶乘) | |
| 2ND + 1 | 进入日期设置 | 2ND + - | 计算排列的数量 | |
| 2ND + 2 | 可计算Nominal rate或 Effective rate | 2ND + + | 计算组合的数量 | |
| 2ND + 3 | 可计算盈利 | 2ND + CE/C | 清零 | |
| 2ND + 4 | 可计算折旧 | 2ND + CPT | 退回到标准计算器模式 | |
| 2ND + 5 | 可计算百分比变化值 | 2ND + ENTER | 转换设置 | |
| 2ND + 6 | 可计算盈亏平衡点 | 2ND + PMT | 转换BGN和END模式 | |
| 2ND + 7 | 可输入数据 | 2ND + = | 显示上一次的计算结果 | |

| Understand | ing the functions of keys of your calculator | 一 www.gaodun |
|-------------------------|--|-----------------|
| Example 1: | | |
| Calculate (3. | 54/2.21) ^{1/4} – 1 | |
| Steps | Display | |
| [3.54][÷] | 3.540000 | |
| [2.21][y ^x] | 1.601810 | |
| [4][1/x] | 0.250000 | |
| [-][1][=] | 0.125001 | |
| | | |

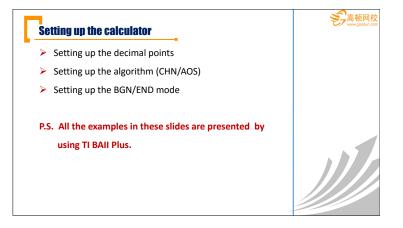


| Understandi | ng the functions of keys of your calculator | 彩 高顿网校 www.gaodun.com |
|--------------------------------|---|-------------------------------------|
| Example 2: | 8 Q | |
| Calculate $\frac{0}{\sqrt{2}}$ | $\frac{89}{.17}$ x (-7.3) ² | |
| Steps | Display | |
| [0.89][÷] | 0.890000 | |
| [2.17][√x] | 1.473092 | |
| [x] | 0.604171 | |
| [7.3][+/-][x ²][: | =] 32.196292 | |



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- 07 Linear Regression and Covariance
- **08 Probabilities**

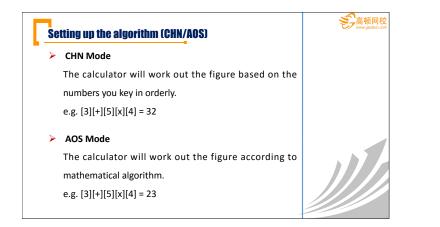






| Setting up the de | cimal points_ | 彩 高顿网校 www.gacdun.com |
|---------------------|--------------------------------------|-------------------------------------|
| Example: | | |
| Setting up to 6 dec | imal points | |
| Steps | Display | |
| [2nd][.] | DEC = 2.00 | |
| [6][ENTER] | DEC = 6.000000 | |
| [2nd][CPT] | 0.000000 | |
| P.S. We recommer | nd candidates to use up to 6 decimal | |
| points as it wi | Il meet our accuracy requirements. | |

| Γ | Setting up the alg | orithm (CHN/AOS) | 彩 高顿网校 www.gaodun.com |
|---|-------------------------|---|-------------------------------------|
| | Changing from CHN | N to AOS | |
| | Most students pref | er to use the calculator in AOS mode | |
| | however the calculation | ator default is CHN. | |
| | Steps | Display | |
| | [2nd][.] | DEC = 6.000000 | |
| | [↓] | Chn | |
| | [2nd][ENTER] | AOS | |
| | P.S. Should you lil | e to change it back from AOS to CHN | |
| | just need to pr | r <mark>ess</mark> [2nd][ENTER] <mark>again.</mark> | |



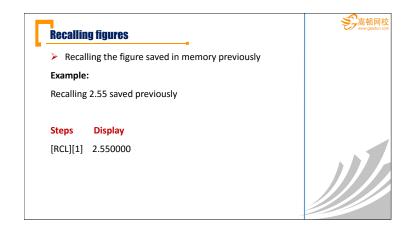
| Setting up the | BGN/END mode | 彩 高顿网校 www.gaodun.com |
|-----------------|--|-------------------------------------|
| | setting of the calculator is END mode. | |
| Example: | | |
| Setting the cal | culator from END mode to BGN mode | |
| Steps | Display | |
| [2nd][PMT] | END | |
| [2nd][ENTER] | BGN | |

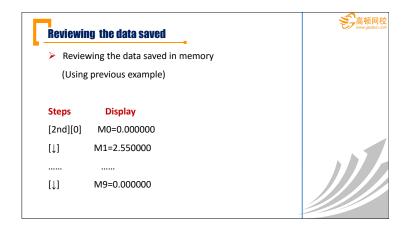


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| Storing | figures | 彩 高顿网校 www.gacdun.com |
|-----------|--|-------------------------------------|
| 🕨 🕨 Stori | ing one figure in the memory | |
| Example | e: | |
| Storing | 2.55 in to memory keystroke 1 | |
| Steps | Display | |
| [2.55] | 2.55 | |
| [STO] | 2.55 | |
| [1] | 2.550000 | |
| You are | allowed to store up to 10 figures in BAII PLUS | |
| calculate | or. | |

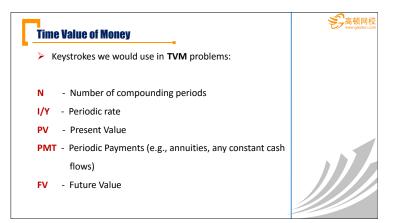


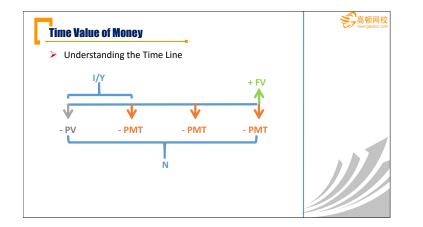


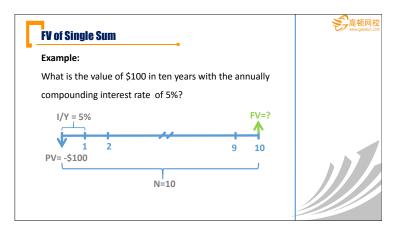


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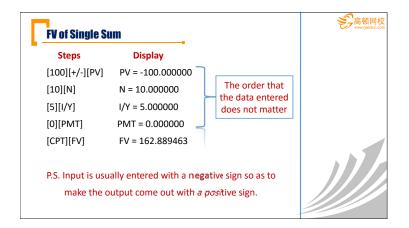


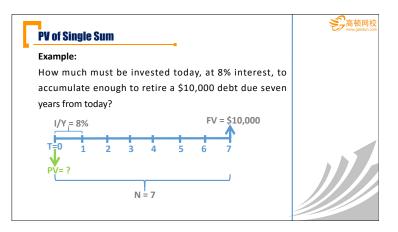


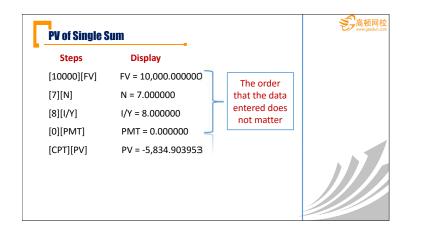


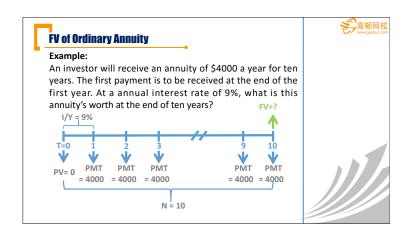




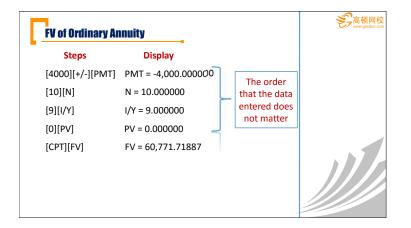


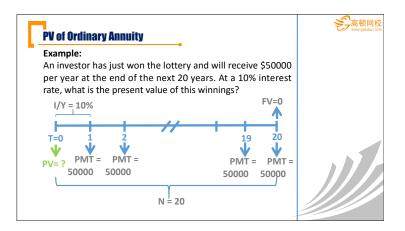


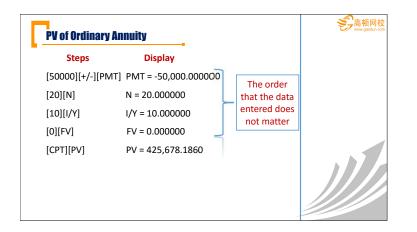


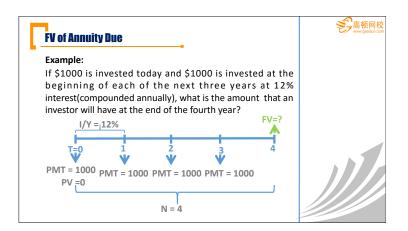








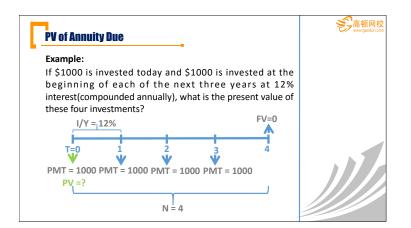






| FV of Annuity Due |) | いの |
|-------------------|--------------------------------------|----|
| 1st Method (EN) | - ND Mode) | |
| Steps | Display | |
| [1000][+/-][PMT] | PMT = -1,000.000000 | |
| [4][N] | N = 4.000000 | |
| [12][I/Y] | I/Y = 12.000000 | |
| [0][PV] | PV = 0.000000 | |
| [CPT][FV] | FV = 4,779.328000 (at end of year 3) | |
| [x][1.12][=] | 5352.847360 (FV at end of year 4) | |

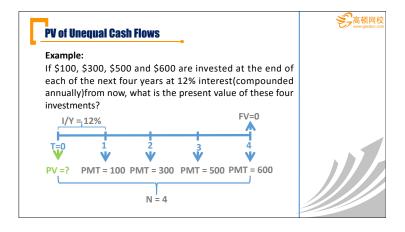
| FV of Annuity Due | | 彩 高顿网 www.gacdu |
|-----------------------------|---|-------------------------------|
| > 2 nd Method (B | | |
| Steps | Display | |
| [1000][+/-][PMT] | PMT = -1,000.000000 | |
| [4][N] | N = 4.000000 | |
| [12][I/Y] | I/Y = 12.000000 | |
| [0][PV] | PV = 0.000000 | |
| [CPT][FV] | FV = 5,352.847360 (FV at end of year 4) | |



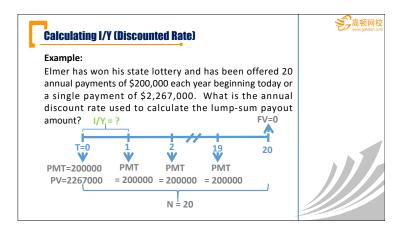
| PV of Annuity Du | 6 | 彩 高顿网 www.gaodun.s |
|------------------------------|--------------------------|----------------------------------|
| > 1 st Method (El | ND Mode) | |
| Steps | Display | |
| [1000][+/-][PMT] | PMT = -1,000.000000 | |
| [4][N] | N = 4.000000 | |
| [12][I/Y] | I/Y = 12.000000 | |
| [0][FV] | FV = 0.000000 | |
| [CPT][PV] | PV = 3,037.349347 (T=-1) | |
| [x][1.12][=] | 3,401.831268 (T=0) | |
| | | |



| PV of Annuity Du | • | 彩 高顿风 www.gaodu |
|-----------------------------|-------------------------|-------------------------------|
| > 2 nd Method (B | GN Mode) | |
| Steps | Display | |
| [1000][+/-][PMT] | PMT = -1,000.000000 | |
| [4][N] | N = 4.000000 | |
| [12][I/Y] | I/Y = 12.000000 | |
| [0][FV] | FV = 0.000000 | |
| [CPT][PV] | PV = 3,401.831268 (T=0) | |
| | | |



| Steps | Display | |
|--------------------|-----------------------------------|-------|
| [CF] | CF0 = 0.000000 | |
| [2nd][CE/C] | CF0 = 0.000000 (Clear previous we | orks) |
| [↓][100][ENTER] | C01 = 100.000000 | |
| [↓][↓][300][ENTER] | C02 = 300.000000 | |
| [↓][↓][500][ENTER] | C03 = 500.000000 | |
| [↓][↓][600][ENTER] | C04 = 600.000000 | |
| [NPV][12][ENTER] | I=12.000000 | |
| []][CPT] | NPV=1065.644849 | |



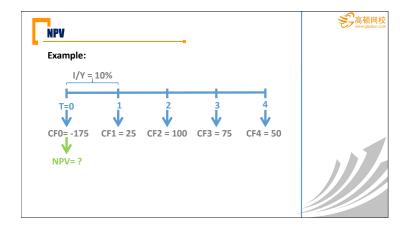


| Calculating I/Y (Dis | counted Rate) | ぞ 高顿网校 www.gaodun.com | Calculating N (The Number of Compounding Periods) | 彩 高顿网校 www.gaodun.com |
|----------------------|-----------------------|-------------------------------------|--|-------------------------------------|
| We have to switch | h to BGN Mode firstly | | Example: | |
| Steps | Display | | If Elmer can choose the amount of his annual payout, based on the same discount rate used above, how many payments | |
| [200000][+/-][PMT] | PMT = -200,000.000000 | | of \$232,631 could Elmer receive if his first payment were | |
| [20][N] | N = 20.000000 | | today? FV=0 | |
| [2267000][PV] | PV= 2,267,000.000000 | | | |
| [0][FV] | FV = 0.000000 | | $\stackrel{T=0}{\mathbf{V}} \stackrel{1}{\mathbf{V}} \stackrel{2}{\mathbf{V}} \stackrel{3}{\mathbf{V}} \stackrel{T=?}{\mathbf{V}}$ | |
| [CPT][I/Y] | I/Y = 7.000768 (7%) | | PMT=232631 PMT PMT PMT PV=2267000 = 232631 = 232631 = 232631 N = ? | |

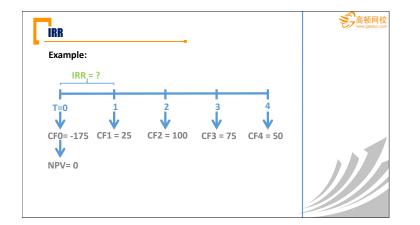
| We have to swite | h to BGN Mode firstly | |
|--------------------|-----------------------|--|
| Steps | Display | |
| [232631][+/-][PMT] | PMT = -232,631.000000 | |
| [7][I/Y] | I/Y = 7.000000 | |
| [2267000][PV] | PV= 2,267,000.000000 | |
| [0][FV] | FV = 0.000000 | |
| [CPT][N] | N = 14.998877 (N=15) | |





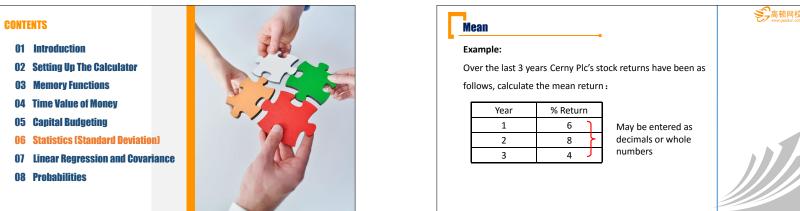


| NPV | | 彩 高顿网; www.gaodun.e |
|--------------------|--------------------------------------|-----------------------------------|
| Steps | Display | |
| [CF] | CF0 = 0.000000 | |
| [2nd][CE/C] | CF0 = 0.000000(Clear previous works) | |
| [175][+/-][ENTER] | CF0 = -175.000000 | |
| [↓][25][ENTER] | C01 = 25.000000 | |
| [↓][↓][100][ENTER] | C02 = 100.000000 | |
| [↓][↓][75][ENTER] | C03 = 75.000000 | |
| [↓][↓][50][ENTER] | C04 = 50.000000 | |
| [NPV][10][ENTER] | I=10.000000 | |
| [↓][CPT] | NPV=20.871184 | |



| | _ | | 彩 高顿网和 www.gaddun.c |
|--------------------|--------------------------|------------|-----------------------------------|
| | Display | | |
| CF0 | = 0.000000 | | |
| [CE/C] CF0 | = 0.000000 (Clear previo | ous works) | |
| [+/-][ENTER] CF0 | -175.000000 | | |
| [ENTER] C01 | 25.000000 | | |
| [100][ENTER] CO2 = | 100.000000 | | |
| [75][ENTER] C03 = | 75.000000 | | |
| [50][ENTER] CO4 = | 50.000000 | | |
| CPT] IRR | = 15.067416 | | |
| | - 15.007410 | 1 | |





| Mean | | |
|-------------------|--------------------------------------|--|
| Steps | Display | |
| [2nd][7] | X01 = 0.000000 | |
| [2nd][CE/C] | X01 = 0.000000(Clear previous works) | |
| [6][ENTER] | X01 = 6.000000 | |
| [↓][↓][8][ENTER] | X02 = 8.000000 | |
| [↓][↓][4][ENTER] | X03 = 4.000000 | |
| [2nd][8] | Lin | |
| [2nd][ENTER]-Repe | atedly 1-V (One variable) | |
| [1][1] | X = 6 | |

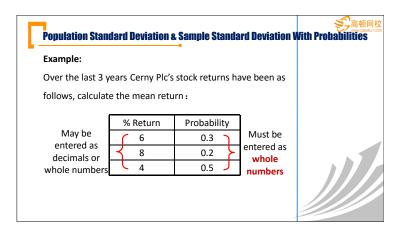
| Example: | | | | |
|----------------------|-------------------|-------------------|---------------------|--|
| Over the last 3 | years Cerny Plc's | s stock returns h | ave been as | |
| follows, calcula | te the mean ret | urn: | | |
| | % Return | Probability | ר | |
| May be entered as | 6 | 0.3 | Must be | |
| decimals or | 4 8 | 0.2 | entered as whole | |
| whole numbers | | 0.5 | numbers | |



| Steps | Display | |
|----------------|---------------------------------------|--|
| [2nd][7] | X01 = 0.000000 | |
| [2nd][CE/C] | X01 = 0.000000 (Clear previous works) | |
| [6][ENTER] | X01 = 6.000000 | |
| [↓][30][ENTER] | Y01 = 30.000000 | |
| [↓][8][ENTER] | X02 = 8.000000 | |
| [↓][20][ENTER] | Y02 = 20.000000 | |
| [↓][4][ENTER] | X03 = 4.000000 | |
| [↓][50][ENTER] | Y03 = 50.000000 | |
| [2nd][8] | Lin | |

| Po | pulation Stand | lard Deviation | & Sample Standard Devia | 彩 高顿网校 www.gaodun.com |
|-----|--------------------|------------------|---------------------------|--------------------------|
| Ex | ample: | | | |
| Ov | ver the last 3 yea | rs Cerny Plc's s | tock returns have been as | |
| fol | llows, calculate t | he standard de | viation : | |
| | Year | % Return |] | |
| | 1 | 6 | May be entered as | |
| | 2 | 8 > | decimals or whole | |
| | 3 | 4 J | numbers | |
| | | | | |

| Population S | andard Deviation & Sample Standard Devia | 彩 tion |
|---------------|---|-----------|
| Steps | Display | |
| [2nd][7] | X01 = 0.000000 | |
| [2nd][CE/C] | X01 = 0.000000(Clear previous works) | |
| [6][ENTER] | X01 = 6.000000 | |
| [↓][↓][8][ENT | R] X02 = 8.000000 | |
| [↓][↓][4][ENT | R] X03 = 4.000000 | |
| [2nd][8] | Lin | |
| [2nd][ENTER] | Repeatedly 1-V (One variable) | |
| [↓][↓][↓] | S _x = 2.000000(Sample Standard Deviation) | |
| [↓] | $\sigma_x = 1.632993$ (Population Standard Deviation) | |

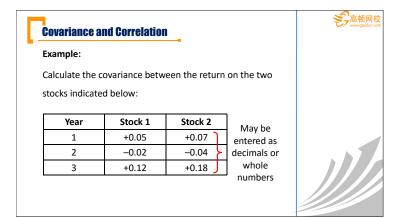




| | d Deviation & Sample Standard Deviation V | |
|--|---|--|
| Steps | Display | |
| [2nd][7] | X01 = 0.000000 | |
| [2nd][CE/C] | X01 = 0.000000(Clear previous works) | |
| [6][ENTER] | X01 = 6.000000 | |
| [↓][30][ENTER] | Y01 = 30.000000 | |
| [↓][8][ENTER] | X02 = 8.000000 | |
| [↓][20][ENTER] | Y02 = 20.000000 | |
| [↓][4][ENTER] | X03 = 4.000000 | |
| [↓][50][ENTER] | Y03 = 50.000000 | |
| [2nd][8] | Lin | |
| [2nd][ENTER]-Repe | atedly 1-V (One variable) | |
| $[\downarrow][\downarrow][\downarrow]$ $S_{x} =$ | 1.569919(Sample Standard Deviation) | |

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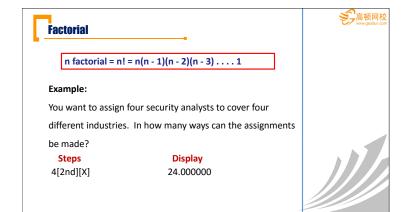




| Covariance and Co | www.gaodun | |
|--------------------|--------------------------------------|--|
| Steps | Display | |
| [2nd][7] | X01 = 0.000000 | |
| [2nd][CE/C] | X01 = 0.000000(Clear previous works) | |
| [5][ENTER] | X01 = 5.000000 | |
| [↓][7][ENTER] | Y01 = 7.000000 | |
| [↓][2][+/-][ENTER] | X02 = -2.000000 | |
| [↓][4][+/-][ENTER] | Y02 = -4.000000 | |
| [↓][12][ENTER] | X03 = 12.000000 | |
| [↓][18][ENTER] | Y03 = 18.000000 | |
| [2nd][8] | 1-V | |
| [2nd][ENTER]-Repea | tedly Lin | |
| [↓] | n= 3(number of paired observations) | |
| [↓] | x = 5(mean value of variable X) | |

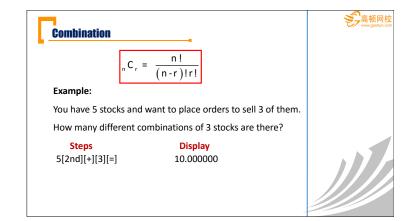
| Covariance and Correlation | | www.gabbun.com | CONTENTS |
|----------------------------|--|----------------|------------------------------------|
| Steps | Display | | 01 Introduction |
| [↓] | $S_x = 7.000000$ (sample standard deviation of x) | | 00 Cotting Up The Oplawlater |
| [↓] | σ_x = 5.715476(population standard deviation of x) | | 02 Setting Up The Calculator |
| [↓] | \overline{y} = 7.000000 (mean value of variable y) | | 03 Memory Functions |
| [↓] | S _y = 11.000000 (sample standard deviation of y) | | 04 Time Value of Money |
| [↓] | $\sigma_y = 8.981462$ (population standard deviation of y) | | 05 Capital Budgeting |
| [↓] | a = -0.857143 (intercept of regression line) | | |
| [↓] | b = 1.571429 (slope of regression line) | | 06 Statistics (Standard Deviation) |
| [↓] | r = 1.000000 (sample correlation coefficient) | | 07 Linear Regression and Covarianc |
| Cov (x,) | r)=r _{x,y} S _x S _y = 1x7x11=77 (or as decimal 0.0077) | | 08 Probabilities |





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中国首批CFA协会规范备考机构





| 彩 高顿网校 www.gasdun.com |
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| me. The |
| ys are there |
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