

Appendix

Transparency Masters





These transparencies show procedures for using the calculator. Some of the procedures are the same for both TI-30Xa SE and TI-34. When the procedure is different, two transparencies are provided—one for each calculator.

List of calculator transparencies:











Transparency Master A:	Find the Sum of Numbers	[SUM] [SUM]
Transparency Master B:	Store and Recall Values	[STO] [RCL]
Transparency Master C:	Use Parentheses	[(] [)]
Transparency Master D:	Find a Reciprocal	[1/x]
Transparency Master E:	Show Scientific Notation	[EE] [EXP]
Transparency Master F:	Square and Square Root	[x ²] [√x] [√x]
Transparency Master G:	Cube and Cube Root	[x ³] [³ √x], [y ^x] [^x √y]
Transparency Master H:	Powers and Roots	[y ^x] [^x √y]
Transparency Master I:	Exchange Memory with Display	[EXC]
Transparency Master J:	Use pi	[π] [π]
Transparency Master K:	Repeating an Operations	[K]
Transparency Master L:	Entering Fractions	[a/b/c]

Find the Sum of Numbers [SUM]

 Example: Add these numbers: 3, 5, 11

Press	Display
3  [SUM] 1	3
5  [SUM] 1	5
11  [SUM] 1	11
 1	19

 Example: Add these numbers: $2 + 4$, $8 \div 16$, 3^2

Press	Display
2  4   [SUM] 1	6
8  16   [SUM] 1	0.5
3  2   [SUM] 1	9
 1	15.5

Note: You can [SUM] to 1, 2, or 3.

Find the Sum of Numbers **SUM**

 Example: Add these numbers: 3, 5, 11

Press

Display

3 **SUM**

3

5 **SUM**

5

11 **SUM**

11

RCL

19

 Example: Add these numbers: $2 + 4$, $8 \div 16$, 3^2

Press

Display

2 **+** 4 **=** **SUM**

6

8 **÷** 16 **=** **SUM**

0.5

3 **y^x** 2 **=** **SUM**

9

RCL

15.5

Store and Recall

STO **RCL**

Values

 Example: Store and recall the value 8

Press	Display
8 STO 1	8
0	0
RCL 1	8

 Example: Compute $5 + 3$, $7 + 3$, $9 + 3$

Press	Display
3 STO 1	3
5 + RCL 1 =	8
7 + RCL 1 =	10
9 + RCL 1 =	12

Note: You can **[SUM]** to 1, 2, or 3.

Store and Recall

STO **RCL**

Values

 Example: Store and recall the value 8

Press	Display
8 STO	8
0	0
RCL	8

 Example: Compute $5 + 3$, $7 + 3$, $9 + 3$

Press	Display
3 STO	3
5 + RCL =	8
7 + RCL =	10
9 + RCL =	12

Use Parentheses



 Example: $3 \times (2 + 4)$

Press

3   2  4  

Display

18

 Example: $(50 - 2) \div (6 + 4)$

Press

 5 0  2    6  4  

Display

4.8


Find a Reciprocal




 Example: Express $1/4$ as a decimal

Press

Display

4 

0.25

 Example: Express $1/(3 + 5)$ as a decimal


Press

Display

3  5  

0.125

Show Scientific Notation \boxed{EE}


 Example: Display 900,000 in scientific notation

Press

9 \boxed{EE} 5

Display

9 05

 Example: 900,000 x 600,000,000


Press

9 \boxed{EE} 5 $\boxed{\times}$ 6 \boxed{EE} 8 $\boxed{=}$

Display

5.4 14

Show Scientific Notation EXP


 Example: Display 900,000 in scientific notation

Press

9 EXP 5

Display

9. 05

 Example: $900,000 \times 600,000,000$

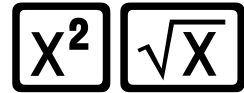
Press

9 EXP 5 × 6 EXP 8 =

Display


5.4 14

Square and Square Root



 Example: Compute 7^2

Press


7 

Display

49.

 Example: Compute $\sqrt{7}$

Press

7 

Display

2.645751311

 Example: Compute $4^2 - \sqrt{4}$

Press

4   4  

Display


14.

Square and Square Root




 Example: Compute 7^2

Press

7 

Display

49.

 Example: Compute $\sqrt{7}$

Press




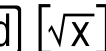

7  

Display

2.645751311

 Example: Compute $4^2 - \sqrt{4}$


Press

4   4   

Display

14.

Cube and Cube Root $[x^3][\sqrt[3]{x}]$

 Example: Compute 7^3

Press

7 $\boxed{2nd}$ $\boxed{[x^3]}$

Display

343

 Example: Compute $\sqrt[3]{7}$

Press

7 $\boxed{2nd}$ $\boxed{[\sqrt[3]{x}]}$

Display

1.912931183

 Example: Compute $2 + 4^3 - \sqrt[3]{100}$

Press

2 $\boxed{+}$ 4 $\boxed{2nd}$ $\boxed{[x^3]}$ $\boxed{-}$ 100 $\boxed{2nd}$ $\boxed{[\sqrt[3]{x}]}$ $\boxed{=}$

Display

61.35841117

Cube and Cube Root



 Example: Compute 7^3

Press

7 y^x 3 $=$

Display

343.

 Example: Compute $\sqrt[3]{7}$

Press

7 2^{nd} $\sqrt[x]{y}$ 3 $=$

Display

1.912931183

 Example: Compute $2 + 4^3 - \sqrt[3]{100}$

Press


2 $+$ 4 y^x 3 $-$ 100 2^{nd} $\sqrt[x]{y}$ 3 $=$

Display

61.35841117

Powers and Roots



 Example: Compute 7^5

Press

7 $\boxed{y^x}$ 5 $\boxed{=}$

Display

16807

 Example: Compute $\sqrt[5]{7}$

Press

7 $\boxed{2nd}$ $\boxed{[\sqrt[x]{y}]}$ 5 $\boxed{=}$

Display

1.475773162

 Example: Compute $2 + 10^6 - \sqrt[4]{2,000}$


Press

2 $\boxed{+}$ 10 $\boxed{y^x}$ 6 $\boxed{-}$ 2000 $\boxed{2nd}$ $\boxed{[\sqrt[x]{y}]}$ 4 $\boxed{=}$

Display

999995.3126


Exchange Memory with [EXC] Display

-  Example: Store 5 in memory, put 8 in the display, exchange the values, and exchange the values again

Procedure	Press	Display
Store 5 in memory	5 [STO] 1	5
Put 8 in the display	8	8
Exchange the values	[2nd] [EXC] 1	5
Exchange the values again	[2nd] [EXC] 1	8

Note: You can store (**[STO]**) using 1, 2, or 3.

Exchange Memory with **[EXC]** Display

-  Example: Store 5 in memory, put 8 in the display, exchange the values, and exchange the values again

Procedure	Press	Display
Store 5 in memory	5 [STO]	5.
Put 8 in the display	8	8.
Exchange the values	[2nd] [EXC]	5.
Exchange the values again	[2nd] [EXC]	8.

Use pi



Example: Display pi

Press

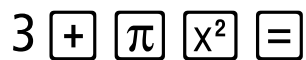


Display

3.141592654

Example: Compute $3 + \pi^2$

Press




Display

12.8696044

Use pi

[π]

 Example: Display pi

Press

$\boxed{2\text{nd}}$ [π]

Display

3.141592654

 Example: Compute $3 + \pi^2$

Press


3 $\boxed{+}$ $\boxed{2\text{nd}}$ [π] $\boxed{x^2}$ $\boxed{=}$

Display

12.8696044

Repeat an Operation

[K]

 Example: Multiply 16, 12, and 24 by 3.25 by storing $\boxed{\times}$ 3.25.

Press

Display

16 $\boxed{\times}$ 3.25 $\boxed{2nd}$ [K] $\boxed{=}$

52

12 $\boxed{=}$

39

24 $\boxed{=}$




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Entering Fractions






 Example: Enter the mixed number 6 4/6.

Press






6 
4  6


Display





6 
6 4 
6 2 

 Example: Calculate $3 \frac{1}{6} - \frac{7}{8}$.

Press

3 
1  6

7  8


Display

3 
3 1 
3 1 
7 
2 7 