

CIRCLE

TEXAS INSTRUMENTS				
CIRCLE				
>Perimeter	>Area			
Radius	Diameter			<< Menu

C I R C L E				
+-----+-----+-----+				
Enter Radius	M	A		
or Enter Diameter	M	B		
+-----+-----+-----+				
Perimeter calculation	M	A'		
Area calculation	M2	B'		
+-----+-----+-----+				
Return to the Main Menu		E		
+-----+-----+-----+				

Circle



```

// ##### ENTER RADIUS #####
LBL A
STO 01 SBR WRT OP 00
3 5 1 3 1 6 2 4 4 1 OP 01
3 6 SBR TAN OP 02
OP 05
OP 00
3 0 SBR TAN OP 04
SBR FIX RCL 01 OP 06
CLR
R/S

// ##### ENTER DIAMETER #####
LBL B
STO 02 / 2 =
STO 01 SBR WRT OP 00
1 6 2 4 1 3 3 0 1 7 OP 01
3 7 1 7 3 5 SBR SIN OP 02
OP 05
OP 00
3 0 SBR TAN OP 04
SBR FIX RCL 02 OP 06
CLR
R/S

// ##### MENU #####
LBL E
LDP 00
R/S

// ##### PERIMETER CALCULATION #####
LBL A'
INV FIX RCL 01 * 2 * PI =
STO 09 OP 00
3 3 1 7 3 5 2 4 3 0 OP 01
1 7 3 7 1 7 3 5 0 0 OP 02
OP 05
OP 00
3 0 SBR TAN OP 04
SBR FIX RCL 09 OP 06
CLR
R/S

// ##### AREA CALCULATION #####
LBL B'
INV FIX RCL 01 X2 * PI =
STO 04 OP 00
1 3 3 5 1 7 1 3 0 0 OP 01
OP 05
OP 00
3 0 0 3 SBR COS OP 04
SBR FIX RCL 04 OP 06
CLR
R/S

// ##### INITIALIZATION #####
LBL WRT
0 STO 03 1 STO 10
CLR

```



```
ADV OP 00
2 0 2 0 2 0 2 0 2 0 OP 01
OP 02
OP 03
OP 04
OP 05
RTN
```

```
// ##### REPLACE 4 CHARACTERS #####
LBL SIN
* 4 INV LOG =
RTN
```

```
// ##### REPLACE 6 CHARACTERS #####
LBL COS
* 6 INV LOG =
RTN
```

```
// ##### REPLACE 8 CHARACTERS #####
LBL TAN
* 8 INV LOG =
RTN
```

```
// ##### CHANGE DECIMALS #####
LBL FIX
HIR 10 STO 00 FIX IND 00
RTN
```



L A B E L S		
001	11	A
045	12	B
098	15	E
103	16	A'
160	17	B'
206	96	WRI
239	38	SIN
247	39	COS
255	30	TAN
263	58	FIX

Adr	Branch.		
COS	193	71	SBR
FIX	036	71	SBR
FIX	089	71	SBR
FIX	151	71	SBR
FIX	197	71	SBR
SIN	075	71	SBR
TAN	022	71	SBR
TAN	032	71	SBR
TAN	085	71	SBR
TAN	147	71	SBR
WRI	004	71	SBR
WRI	053	71	SBR

Reg.	Instr.		
00	266	42	STO
01	002	42	STO
	038	43	RCL
	051	42	STO
	106	43	RCL
	163	43	RCL
02	046	42	STO
	091	43	RCL
03	208	42	STO
04	169	42	STO
	199	43	RCL
09	113	42	STO
	153	43	RCL
10	211	42	STO

