



Sheet1

#2

## ANGLE #3

## AREA

DRAWING NOT TO SCALE

SIDE  
#1  
#2

# ANGLE #1

## AREA

FOR ASA

DRAWING NOT TO SCALE

SIDE  
#1

ANGLE  
#2  
#3

AREA

Sheet1

```
{home}{goto}c10~/xmmenu1~  
SSS SAS  
Solve for Triangle knowing SIDE SIDE SIDE Solve for Triangle knowing SIDE ANGLE SIDE  
{goto}{goto}  
SSS SAS  
~{down} ~{down}  
{GOTO}11~/xn Enter SIDE #1 ~11~{down} {goto}21~/xn Enter SIDE #1 ~21~{down}  
/xn Enter SIDE #2 ~12~{down} /xn Enter SIDE #2 ~22~{down}{down}{down}{down}  
/xn Enter SIDE #3 ~13~ /xn Enter ANGLE #3 ~23~  
{calc}/xmmenu1~ {calc}/xmmenu1~
```

## TRIANGLE SOLUTIONS

Solve for sides, angles,  
and area of triangles

## EQUATIONS:

$$c^2 = a^2 + b^2 + 2ab \cos C$$

$$A + B + C = 180^\circ$$

$$a/\sin A = b/\sin B = c/\sin C$$

Area =

-----

3  
4  
5

6

EEEEEEEEE~~EEEEEEEEE~~EEEEEEEEE~~EEEEEEEEE~~EEEEEEEEE~~EEEEEEEEE~~EEEEEEEEE~~EEEEEEEEE~~EEEEEEEEE~~EEEEEEEEE~~

-----

3

Sheet1

4

90

6

-----

3  
4

36.87

#NAME?

— 7 —

3

53.13

90

5.99997766984038

-----

3

36.87  
90

5.99997766984038

SSA  
Solve for Triangle knowing SIDE SIDE ANGLE

```
{goto}  
SSA  
~{down}  
{goto}31~{xn Enter SIDE #1 ~31~{down}  
/xn Enter SIDE #2 ~32~{down}{DOWN}{DOWN}{DOWN}  
/xn Enter ANGLE #1 ~33~  
{calc}/xmmenu1~
```

$\hat{u} \propto s(s-a)(s-b)(s-c)$  where

SIDE #3

5.00

### ANGLE #2

## DEGREES

## SIDE #3

Sheet1

5.00

## DEGREES

ANGLE #2

## DEGREES #NAME?

EEEEE Press ALT and A to restart EEEEEE

SIDE #3

#NAME?

## DEGREES

## ANGLE #2

## DEGREES

EEEEE Press ALT and A to restart EEEEEE

SIDE #3

5.00

## DEGREES

## ANGLE #2

## DEGREES

SIDE #3

5.00

## DEGREES DEGREES

## ANGLE #2

DEGREES  
53.13

EEEEEÉÉÉÉÉÉ Press ALT and A to restart EEÉÉÉÉÉÉÉÉ

ASA

Solve for Triangle knowing ANGLE SIDE ANGLE

{goto}

ASA

~{down}

{goto}41~/xn Enter SIDE #1 ~41~{down}{down}{down}{down}{down}

/xn Enter ANGLE #2 ~42~{down}

/xn Enter ANGLE #3 ~43~

{calc}/xmmenu1~

## PHASE TWO SOFTWARE

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For more information about the study, please contact Dr. John Smith at (555) 123-4567 or via email at [john.smith@researchinstitute.org](mailto:john.smith@researchinstitute.org).

B  
\*  
\*\*\*\*\*  
c \*\*\*\*\* a  
\*\*\*\*\*  
\*\*\*\*\*  
A b C

$$s = (a + b + c) / 2$$

ANGLE #1 DEGREES

SIDE #1

300

ANGLE #1 DEGREES

## ANGLE #1 DEGREES

Sheet1

SIDE #1

3.00

ANGLE #1 DEGREES

## SIDE #1

3.00

ANGLE #1 DEGREES

SIDE #1

Sheet1

3.00

ANGLE #1 DEGREES

## SIDE #1

3.00

```
SAA
Solve for Triangle knowing SIDE ANGLE ANGLE
{goto}
SAA
~{down}
{goto}51~/xn Enter SIDE #1 ~51~{down}{DOWN}{}
/xn Enter ANGLE #1 ~52~{down}
/xn Enter ANGLE #3 ~53~
{calc}/xmmenu1~
```

MAIN SCREEN  
Equations  
{goto}main~{goto}equation~  
/xmmenu1~





90.00	3
EEEEECCCCCCCCCCCC	EE
EEEEECCCCCCCCCCCC	EE
36.87	3
	3
	3
	3
	3
	3
	3
	3
SIDE #2	3
4.00	3
	3
	3
	3
	3
	3
	3
	3
ANGLE #3	3
DEGREES	3
90.00	3
EEEEEECCCCCCCCCCCC	EE

QUIT  
Return to CONTENTS  
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