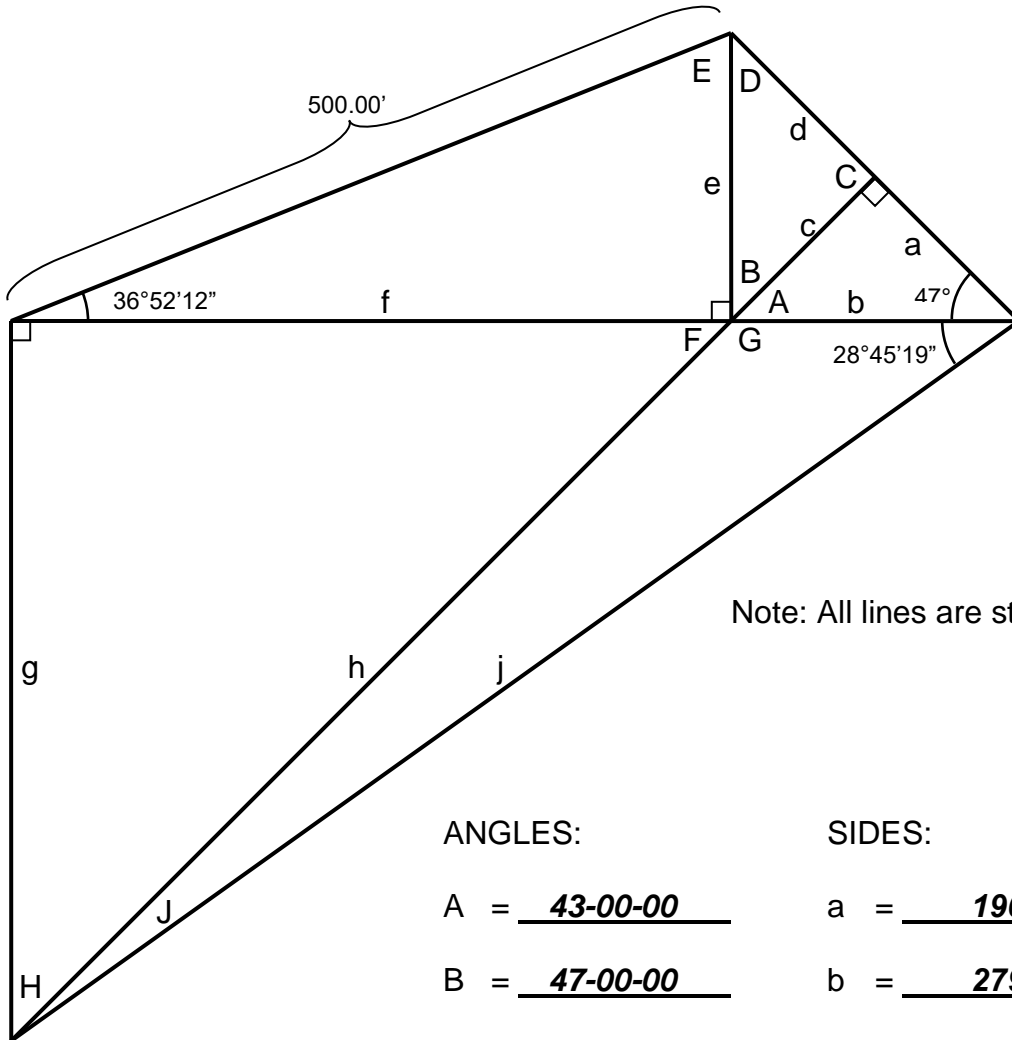


For the right triangle "ABC" determine the needed values using the given values:

- | | | | |
|---|--|--|--|
| 1) $A = \underline{61-09-50}$
$B = \underline{28-50-10}$
$C = 90-00-00$ | $a = \underline{567.59'}$
$b = \underline{312.50'}$
$c = \underline{647.93'}$ | 2) $A = \underline{58-47-50}$
$B = \underline{31-12-10}$
$C = 90-00-00$ | $a = \underline{6.20'}$
$b = \underline{3.76'}$
$c = \underline{7.25'}$ |
| 3) $A = 54-00-55$
$B = \underline{35-59-05}$
$C = 90-00-00$ | $a = \underline{566.97'}$
$b = \underline{411.70'}$
$c = \underline{700.68'}$ | 4) $A = \underline{52-44-45}$
$B = \underline{37-15-15}$
$C = 90-00-00$ | $a = 165.14'$
$b = \underline{125.59'}$
$c = \underline{207.47'}$ |
| 5) $A = \underline{45-23-00}$
$B = \underline{44-37-00}$
$C = 90-00-00$ | $a = \underline{821.22'}$
$b = \underline{810.30'}$
$c = \underline{1153.68'}$ | 6) $A = \underline{33-26-09}$
$B = \underline{56-33-51}$
$C = 90-00-00$ | $a = \underline{360.91'}$
$b = \underline{546.60'}$
$c = \underline{655.00'}$ |
| 7) $A = \underline{59-44-59}$
$B = \underline{30-15-01}$
$C = 90-00-00$ | $a = 87.45'$
$b = 51.00'$
$c = \underline{101.23'}$ | 8) $A = 59-17-43$
$B = 30-42-17$
$C = 90-00-00$ | $a = \underline{NOT}$
$b = \underline{POSSIBLE!}$
$c = \underline{need a side!}$ |
| 9) $A = \underline{56-26-34}$
$B = \underline{33-33-26}$
$C = 90-00-00$ | $a = 1000.00'$
$b = \underline{663.32'}$
$c = 1200.00'$ | 10) $A = \underline{44-59-59}^{**}$
$B = \underline{45-00-01}^{**}$
$C = 90-00-00$ | $a = \underline{465.13'}$
$b = 465.13'$
$c = 657.79'$ |

**** 45-00-00 each**
(based on sides "a" and "b")

For extra credit, fill in the blanks:
(1 pt. for each, 20 pts. for all)



Note: All lines are straight.

ANGLES:

A = 43-00-00

B = 47-00-00

C = 90-00-00

D = 43-00-00

E = 53-07-48

F = 43-00-00

G = 137-00-00

H = 47-00-00

J = 14-14-41

SIDES:

a = 190.79'

b = 279.76'

c = 204.60'

d = 219.41'

e = 300.00'

f = 400.00'

g = 373.01'

h = 546.93'

j = 775.37'