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

1) A = _____
    B = 28-50-10
    C = 90-00-00

    a = _____
    b = 312.50'
    c = _____

2) A = _____
    B = 31-12-10
    C = 90-00-00

    a = _____
    b = _____
    c = 7.25'

3) A = 54-00-55
    B = _____
    C = 90-00-00

    a = _____
    b = 411.70'
    c = _____

4) A = _____
    B = 37-15-15
    C = 90-00-00

    a = 165.14'
    b = _____
    c = _____

5) A = _____
    B = 44-37-00
    C = 90-00-00

    a = _____
    b = 810.30'
    c = _____

6) A = _____
    B = _____
    C = 90-00-00

    a = _____
    b = 546.60'
    c = 655.00'

7) A = _____
    B = _____
    C = 90-00-00

    a = 87.45'
    b = 51.00'
    c = _____

8) A = 59-17-43
    B = 30-42-17
    C = 90-00-00

    a = _____
    b = _____
    c = _____

9) A = _____
    B = _____
    C = 90-00-00

    a = 1000.00'
    b = _____
    c = 1200.00'

10) A = _____
    B = _____
    C = 90-00-00

    a = _____
    b = 465.13'
    c = 657.79'

RIGHT TRIANGLE TRIGONOMETRY

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

500.00'

E D

d

e C

c a

B

36°52'12" f A b 47°

F G

28°45'19"

g h j
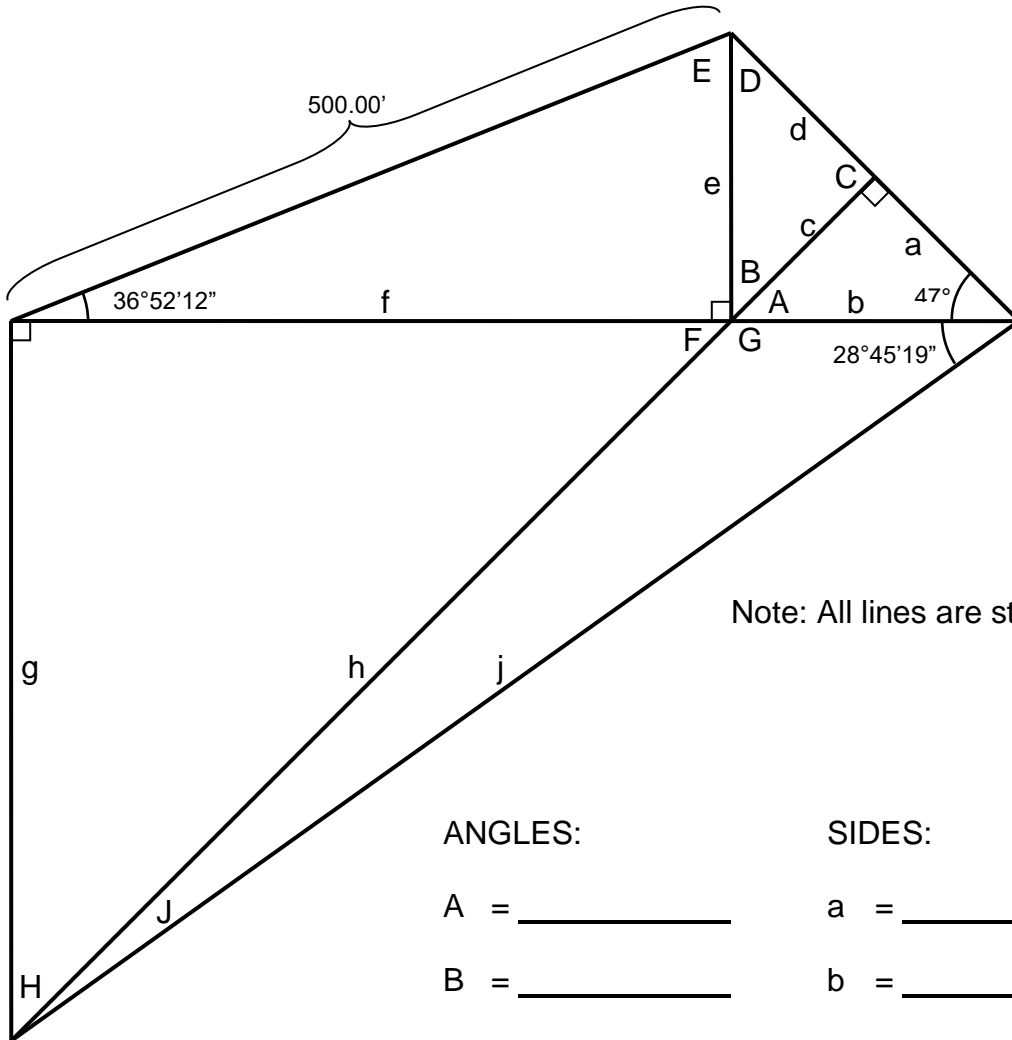
Note: All lines are straight.

J

H

ANGLES:

A = _____

B = _____

C = _____

D = _____

E = _____

F = _____

G = _____

H = _____

J = _____

SIDES:

a = _____

b = _____

c = _____

d = _____

e = _____

f = _____

g = _____

h = _____

j = _____