1a)Picture is attached.

b)3.25π,5.25π

-0.75π,-2.75π

c)225

2)381.97rad/min

3)sin=0.980785

Cos=-0.195090

Tan=-5.027339

Csc=1.01959

Sec=-5.125831

Cot=-0.198912

4)cos=2/53

Sin=7/

Csc

Sec=

Cot2/7

5)

Θ’=45°

6)Third quadrant

7) θ =135°

Θ =225°

8) θ =1.33rad

Θ =1.812rad

9)sin θ =4/5

Tan θ =-4/3

Csc θ =5/4

Sec θ =-5/3

Cot θ =-3/4

18)a =2

b = 1

c =π

19)

23)+235.49°