**1.9 More Exact Values** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the exact value of the following trig functions.

1.  2.  3.  4. 

5.  6.  7.  8. 

9. If , then  lies in quadrant(s):\_\_\_\_\_\_\_\_\_\_\_

10. If , then  lies in quadrant(s):\_\_\_\_\_\_\_\_\_\_\_

11. If , then  lies in quadrant(s):\_\_\_\_\_\_\_\_\_\_\_

12. If , then  lies in quadrant(s):\_\_\_\_\_\_\_\_\_\_\_

13. If , then  lies in quadrant(s):\_\_\_\_\_\_\_\_\_\_\_

14. If , then  lies in quadrant(s):\_\_\_\_\_\_\_\_\_\_

15. Find the exact value of all six trig functions of an angle ϴ, whose terminal side passes through (3, -7)

16. Find the exact value of all six trig functions of an angle ϴ, whose terminal side passes through (-5, 2)