Chapter 4 Extra Practice

Calculate the exact value of the inverse function geometrically by drawing a picture. Assume the principal branch in all cases.

1. 2.

3. 4.

Solve algebraically.

5.

6. 4sin(x – 3) = 1

7.

8. Write parametric equations for this ellipse.



9. This shows y = arcsin x

1. Shade y =
2. Give the range of y =

10. Write parametric equations you would put in

your calculator to graph y = arccos x

11. Eliminate the parameter T

x = -3 + 2cosT

y = 1 + 4sinT