**Find the exact value of the expression whenever it is defined.**

1. (a) sin-1 (b) cos-1  (c) tan-1 ()

2. (a) arcsin (b) arccos (c) arctan

3. (a) sin-1 (b) cos-1 (c) tan-1 1

4. (a) sin[arcsin ()] (b) cos (arccos ) (c) tan (arctan 14)

5. (a) sin-1 (sin ) (b) cos-1 [cos ()] (c) tan-1 [tan()]

6. (a) arcsin (sin ) (b) arccos (cos ) (c) arctan (tan )

7. (a) sin [cos-1()] (b) cos (tan-1 1) (c) tan [sin-1 (-1)]

8. (a) cot (sin-1 ) (b) sec [tan-1 ()] (c) csc [cos-1 ()]

9. (a) sin (arcsin + arccos 0) (b) cos [arctan () - arcsin ) (c) tan (arctan + arccos )

10. (a) sin [2 arccos ()] (b) cos (2 sin-1 ) (c) tan (2 tan-1 )

**Write the expression as an algebraic expression in x for x > 0.**

11. sin (tan-1 x) 12. sin (2 sin-1 x) 13. cos ( arccos x)