

Name: _____

1. How are the graphs of the functions obtained from the graph of f ?

(c) $y = f(x) + 1$,

(d) $y = f(x + 1)$.

2. For which x is the function $f(x) = -2x(4 - x)^{-1/2}$ not defined?

3. If $f(x) = x^2$, what is the function $f \circ f$?

4. If $f(x) = x^2 - 1$, what is the function $f \circ f$?

5. For $f(x) = \sin x$, find all y such that there exists some x with $y = f(x)$. (That is, find the range of f). Express the answer as an interval.

6. Express 60 degrees in radians.

7. Express $\pi/3$ radians in degrees.

8. What is $\cos \pi/3$?

9. What is $\sin \pi/3$?