

Quiz 1
Oct. 4, 2006

1. Which of the following pairs of functions are inverse functions of each other on the implied domains?

A) $f(x) = |x|, g(x) = |x|$

B) $f(x) = \frac{1}{x}, g(x) = \frac{x}{1}$,

C) $f(x) = \frac{1}{x}, g(x) = \frac{1}{x}$,

D) $f(x) = \sqrt{x}, g(x) = x^2$.

Ans: C

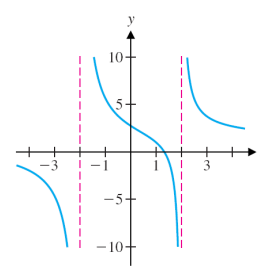
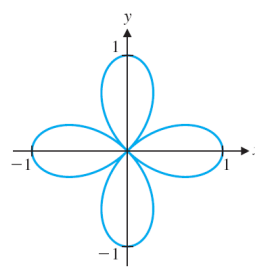
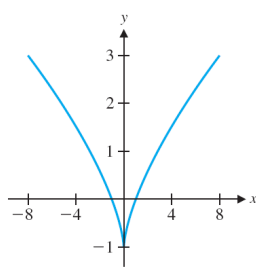
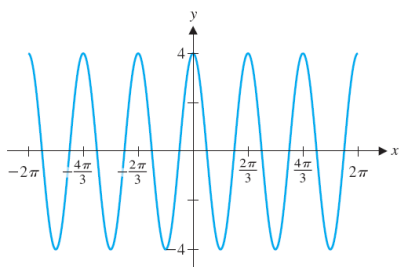
2. Which of the following curves is **NOT** the graph of a function?

(A)

(B)

(C)

(D)



A) graph A,

B) graph B,

C) graph C

D) graph D

Ans: C

3. Which one of the lines below is parallel(平行) to the line $y - 4 = 2(x - 7)$?

A) $2x + y = -4$,

B) $2x - y = 4$

C) $-x - 2y = 1$,

D) $-x + 2y = 2$

Ans: B

4. Determine all intercepts, if any, for the graph of the function $\frac{x^2 - 5x - 6}{x}$.

A) $(0, -6); (2, 0), (3, 0)$

B) $(-6, 0)$

C) $(6, 0), (-1, 0)$

D) $(0, -6), (-6, 0)$

Ans: C