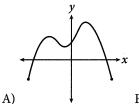
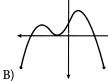
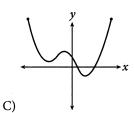
PRACTICE SET

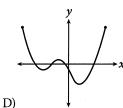
Easy

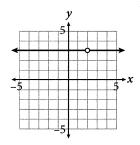
1. If a function p(x) has four distinct zeros, which of the following could represent the entire graph of p in a standard coordinate plane?











- 2. Which of the following rational functions could represent the graph shown?
 - A) r(x) = 3
 - B) $r(x) = \frac{x-3}{x-2}$
 - $C) \quad r(x) = \frac{2}{x-3}$
 - D) $r(x) = \frac{3x 6}{x 2}$

3. For which values of x is the expression

$$\frac{3x+6}{3x(4x+8)(x-5)}$$
 undefined?

- A) -2
- B) -2, 5
- C) 0, -2, 5
- D) 0, 2, -5
- 4. If $y \neq z$, then $\frac{xy zx}{z y} =$ A) -x

 - B) -1
 - C) 1
 - D) x
- 5. If Q is the quotient when $(x^2 10x 24)$ is divided by (x + 2) and $x \ne -2$, which of the following represents Q?
 - A) x 22
 - B) x 12
 - C) x + 12
 - D) x + 22

Medium

6. Given that $a \neq \pm \frac{1}{2}$, which of the following

is equivalent to $\frac{2a^2 + 5a - 3}{4a^2 - 1}$?