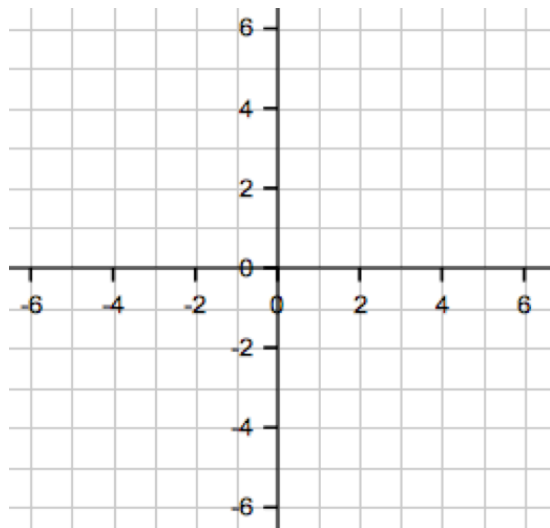


Diagnostic "Quiz": Are you Ready for Tomorrow?

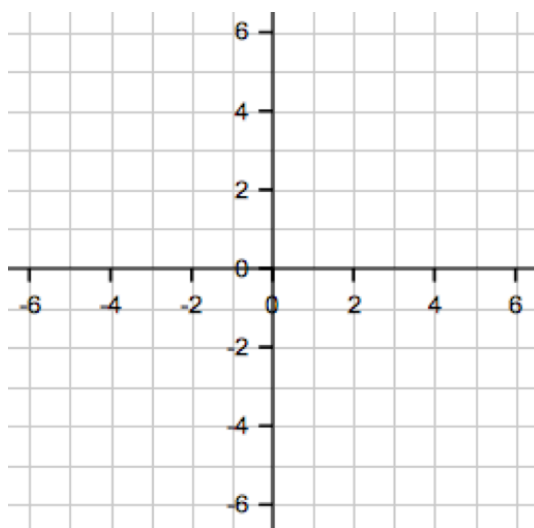
Could you answer each of these questions? This is a *sample* of what you may encounter tomorrow on the quiz.

1. Please graph each of the following functions on the grid provided. Pay close attention to the asymptotes of your graph.

a) $y = \frac{1}{x-3} + 2$

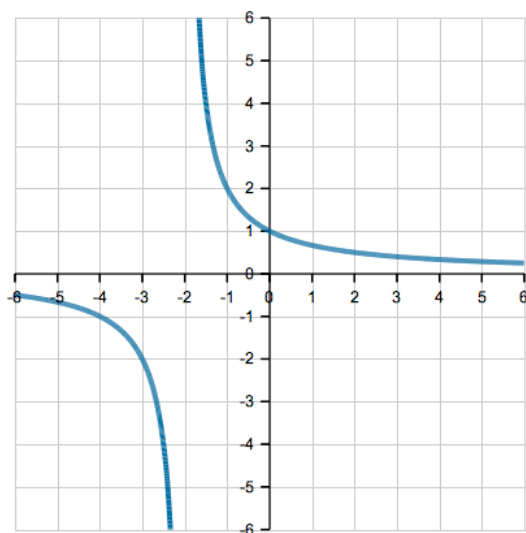


b) $y = -\frac{3}{x}$

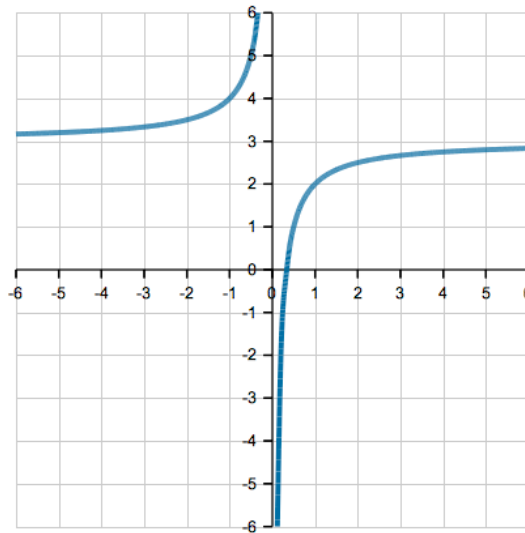


2. Please give an equation that represents each of the following graphs:

a) $y =$

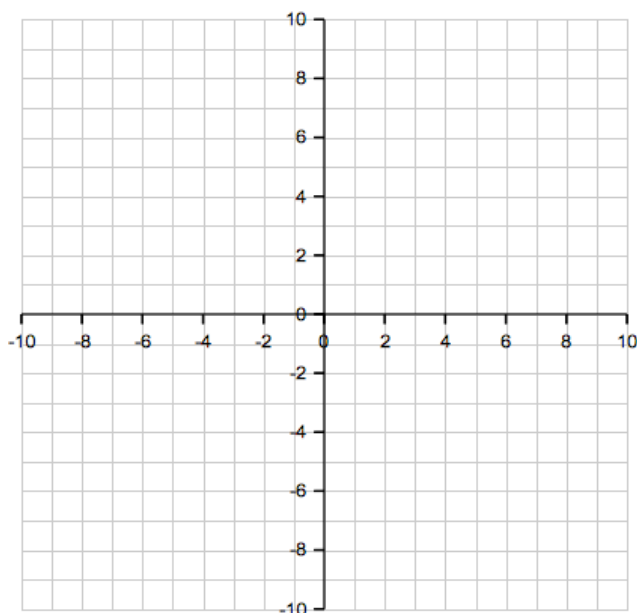


b) $y =$

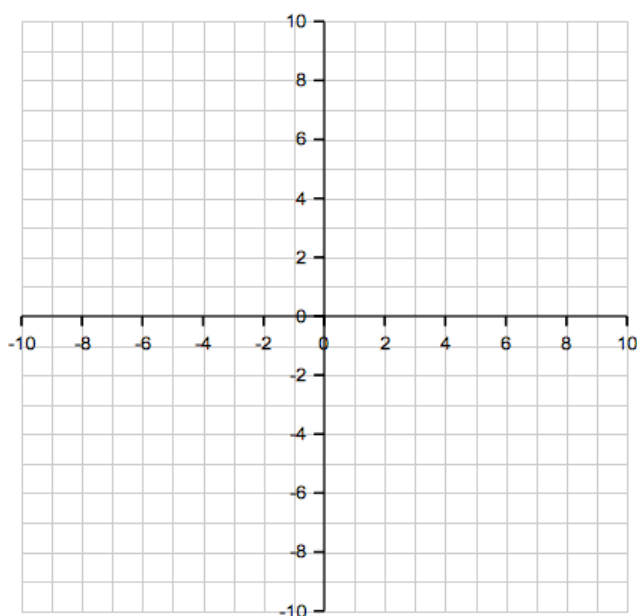


3. Simplify each of the following rational expressions. Don't forget restrictions! Then, draw the graph of each, remembering the special way we have of showing restrictions.

a) $y = \frac{(2x-1)(x-2)}{x-2}$



b) $y = \frac{2(x-3)}{x^2-x-6}$



4. Simplify each of the following radical expressions as much as possible.

a) $2\sqrt{9}$

b) $\sqrt{800}$

c) $2\sqrt{3} + \sqrt{12}$