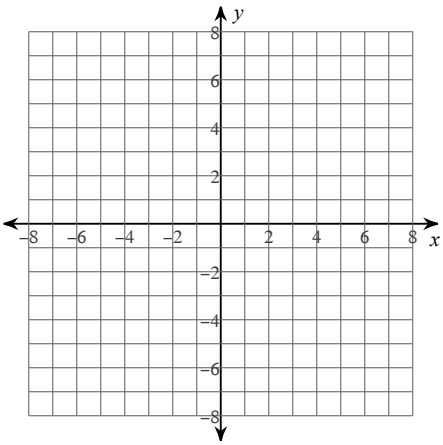
PreAP PreCalculus Name_____

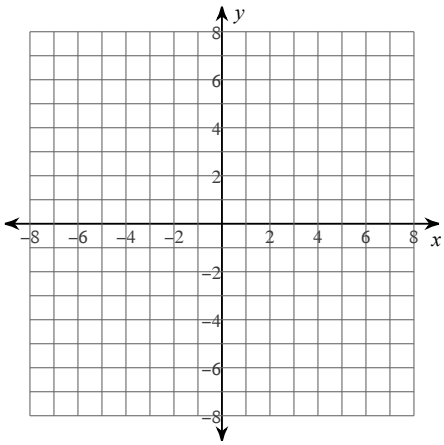
Review of Algebra 2: Graphing Rational Functions

Graph each function.

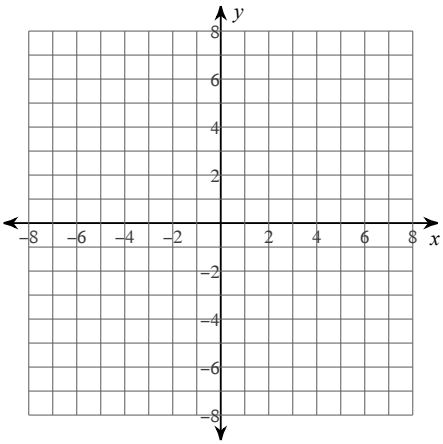
1) $f(x) = \dfrac{4}{x+1} + 2$



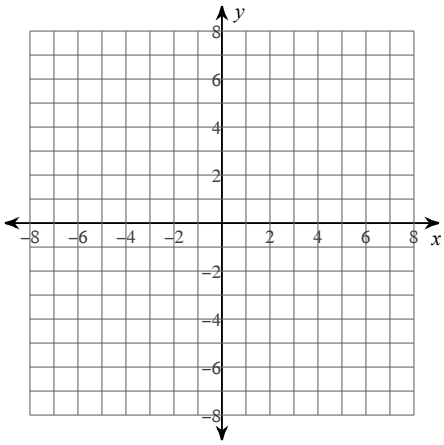
2) $f(x) = -\dfrac{2}{x-1} - 2$



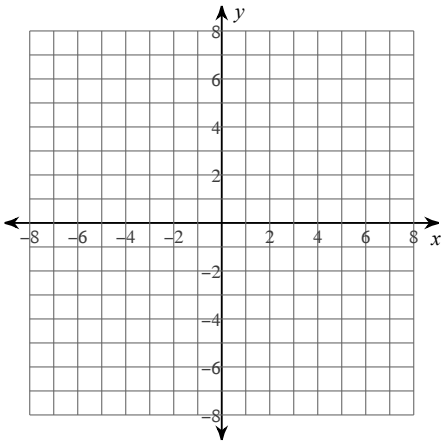
3) $f(x) = \dfrac{1}{x+4} - 2$



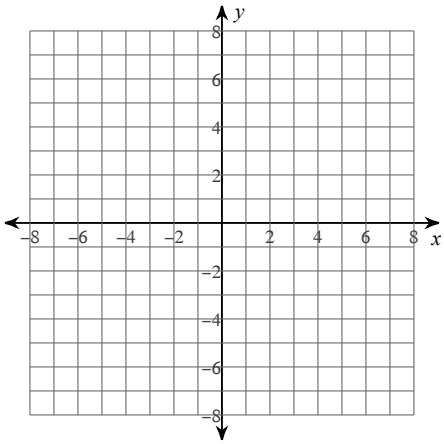
4) $f(x) = \dfrac{3}{x+1} - 2$



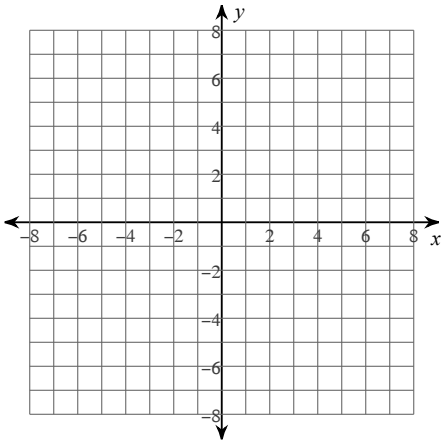
5) $f(x) = \dfrac{-2x + 4}{x + 2}$



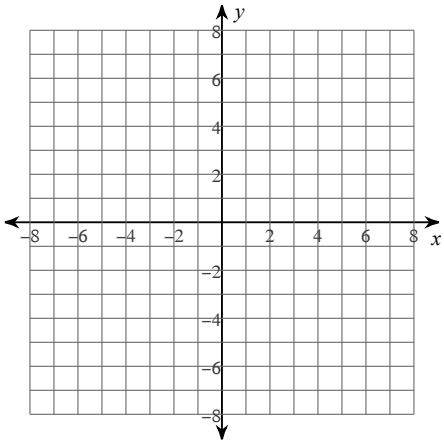
6) $f(x) = \dfrac{x - 2}{x + 2}$



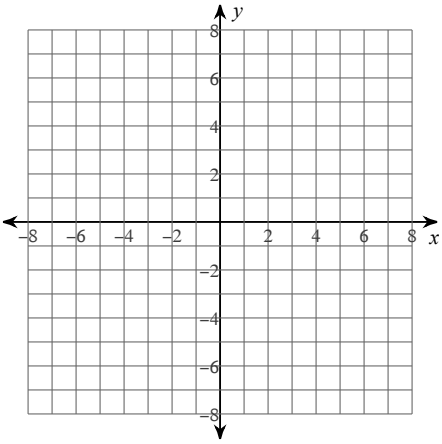
7) $f(x) = \dfrac{1}{-2x - 6}$



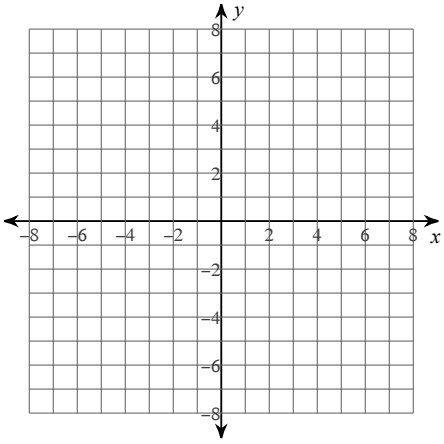
8) $f(x) = \dfrac{x + 3}{2x - 4}$



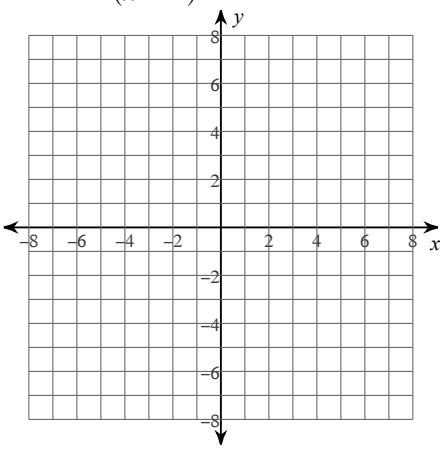
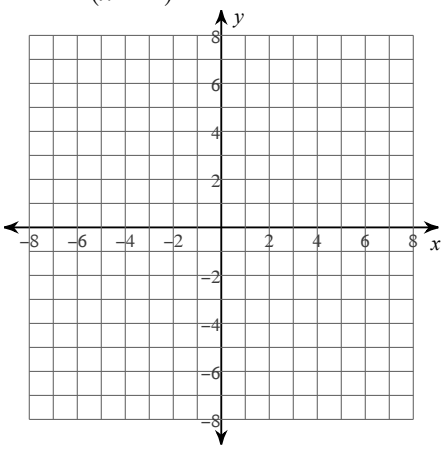
9) $\mathrm{f(x)} = \dfrac{1}{x^2}$



10) $\mathrm{f(x)} = \dfrac{1}{(x - 3)^2}$



11) $f(x) = -\dfrac{1}{(x+2)^2} + 4$



12) $f(x) = \dfrac{2}{(x-4)^2} - 2$