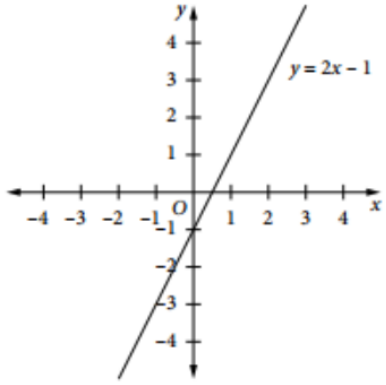
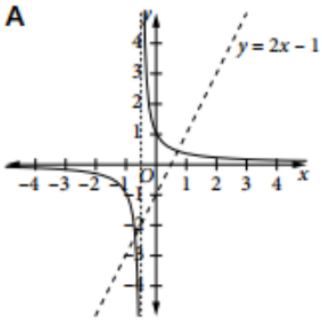
RECIPROCAL FUNCTIONS

1 The graph of $y = 2x - 1$ is shown.

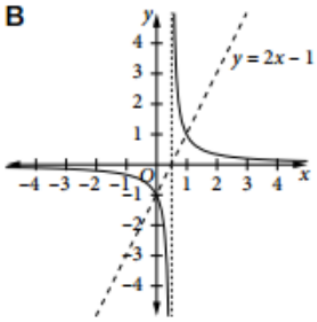


Which of the following represents the graph of $y = \dfrac{1}{2x-1}$?

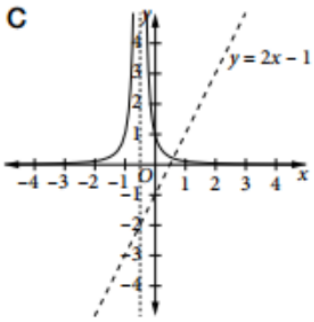
A



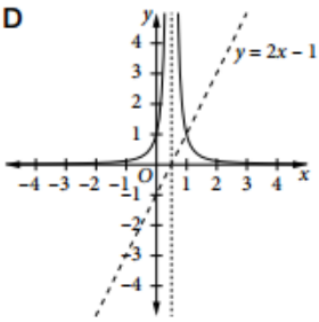
B



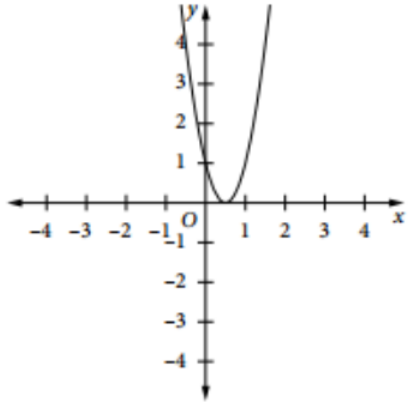
C



D

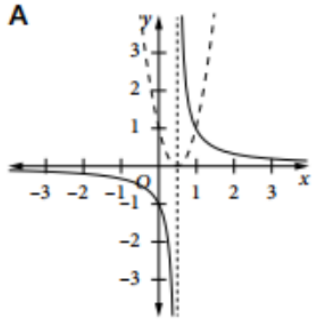


2 The graph of $y = (2x - 1)^2$ is shown.

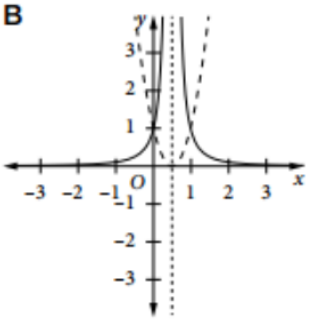


Which of the following represents the graph of $y = \dfrac{1}{(2x-1)^2}$?

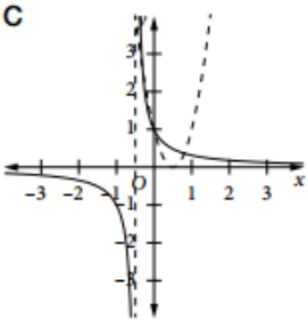
A



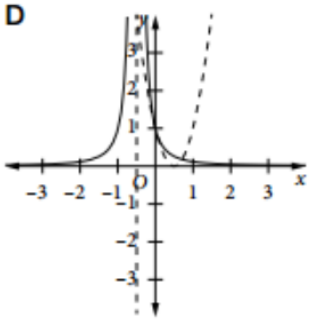
B



C

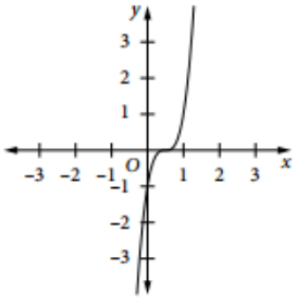


D



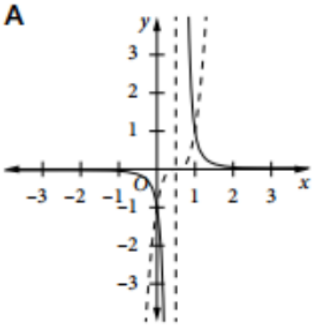
RECIPROCAL FUNCTIONS

3 The graph of $y = (2x - 1)^3$ is shown.

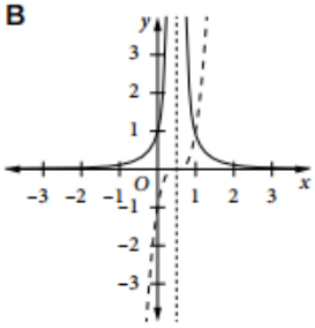


Which of the following represents the graph of $y = \dfrac{1}{(2x-1)^3}$?

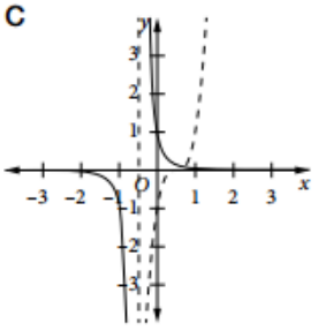
A



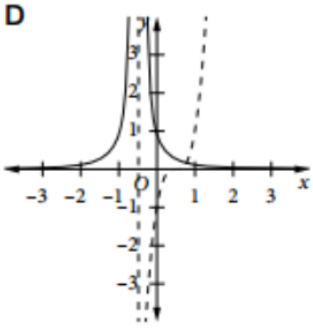
B



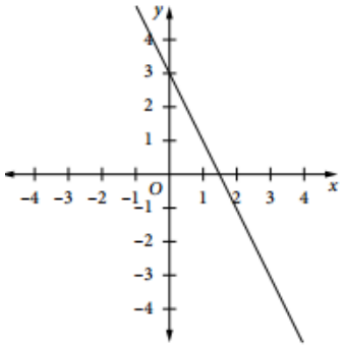
C

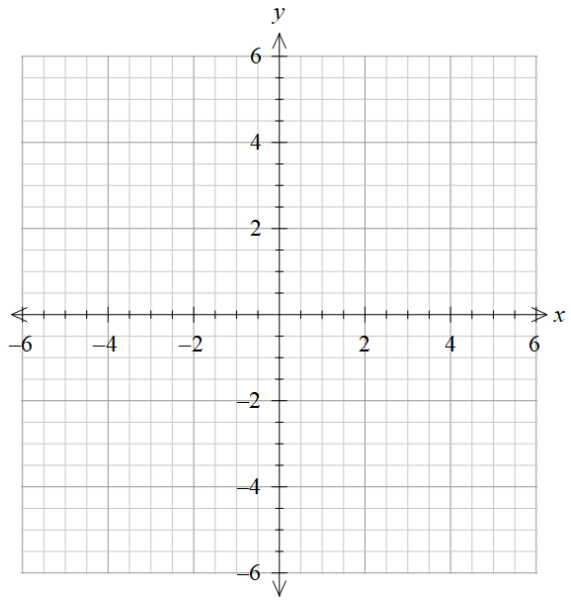


D

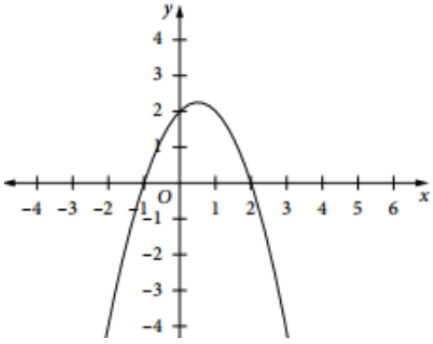


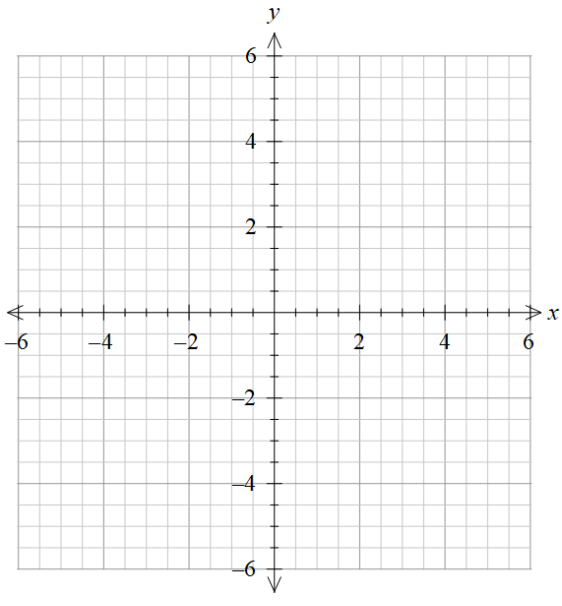
4 Given the graph of $y = 3 - 2x$, draw the graph of $y = \dfrac{1}{3-2x}$.





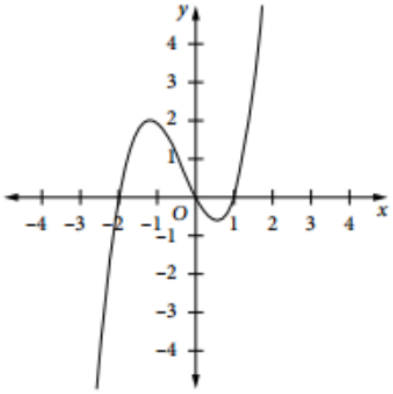
5 Given the graph of $y = (x + 1)(2 - x)$, draw the graph of $y = \dfrac{1}{(x+1)(2-x)}$.



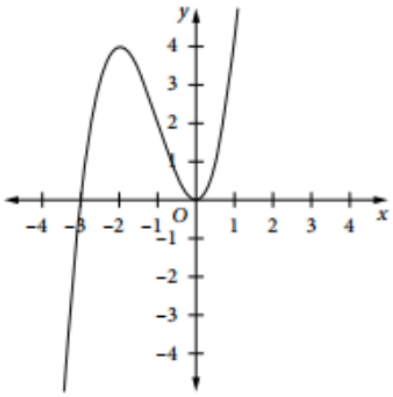


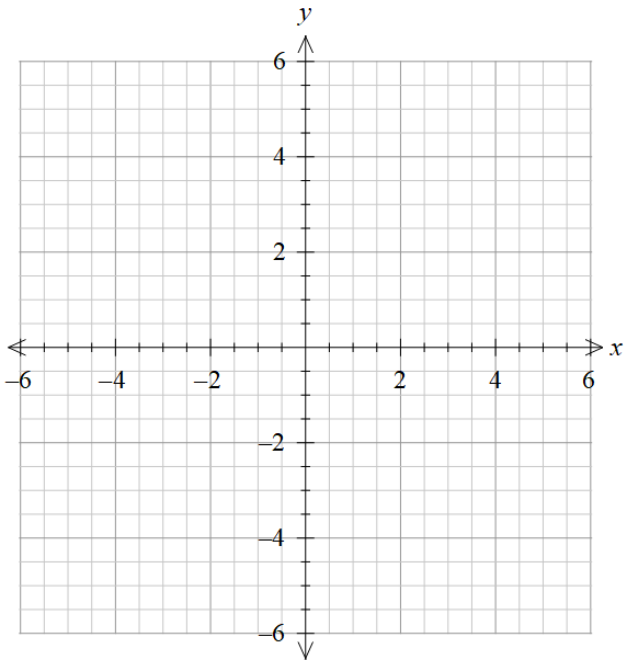
RECIPROCAL FUNCTIONS

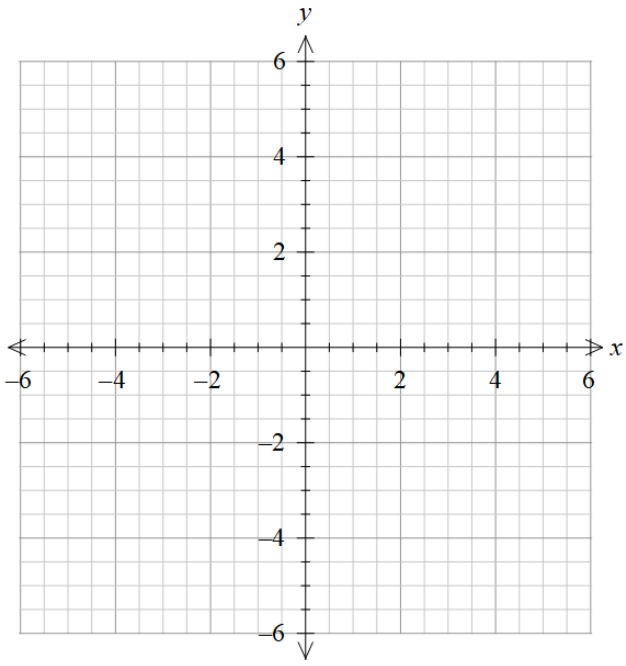
6 Given the graph of $y = x(x-1)(x+2)$, draw the graph of $y = \dfrac{1}{x(x-1)(x+2)}$.



7 Given the graph of $y = x^3 + 3x^2$, draw the graph of $y = \dfrac{1}{x^3 + 3x^2}$.

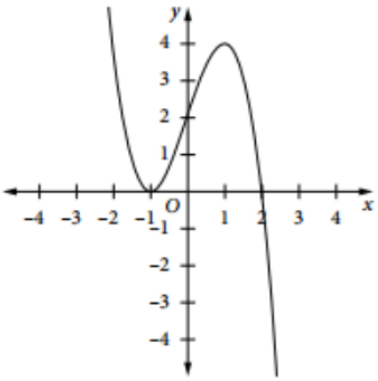






RECIPROCAL FUNCTIONS

10 Given the graph of $y = 2 + 3x - x^3$, draw the graph of $y = \dfrac{1}{2 + 3x - x^3}$.



11 Given the graph of $y = x^2 + 2x + 2$, draw the graph of $y = \dfrac{1}{x^2 + 2x + 2}$.