Complete and check answers with Mr. Cabrera or Ms. Danahy, then take a mastery check!

Function	Vertical asymptote	Horizontal asymptote
$f(x) = \dfrac{2x+7}{x-5}$	$x = 5$	$y = 2$
$f(x) = \dfrac{x+7}{2x-3}$		
$f(x) = \dfrac{-4x+1}{2x-6}$		
$f(x) = \dfrac{2}{x-5}$		
$f(x) = \dfrac{2}{x-5} + 1$		
$f(x) = \dfrac{2}{x-5} - 1$		
$f(x) = \dfrac{2x+7}{x-5} + 1$		
$f(x) = \dfrac{-4x+1}{2x-6} + 3$		
$f(x) = \dfrac{5-x}{5+x}$		
$f(x) = \dfrac{3x+134}{2x+5}$		

Choose two functions to graph, labeling two key points and asymptotes. Complete and check answers with Mr. Cabrera or Ms. Danahy, then take a mastery check!

$f(x) = \dfrac{2x+7}{x-5}$
$f(x) = \dfrac{x+7}{2x-3}$
$f(x) = \dfrac{-4x+1}{2x-6}$
$f(x) = \dfrac{2}{x-5}$
$f(x) = \dfrac{2}{x-5} + 1$
$f(x) = \dfrac{2}{x-5} - 1$
$f(x) = \dfrac{2x+7}{x-5} + 1$
$f(x) = \dfrac{-4x+1}{2x-6} + 3$
$f(x) = \dfrac{5-x}{5+x}$
$f(x) = \dfrac{3x+134}{2x+5}$