

**Given the description, write the equation of a rational function for each problem below.**

1) Rational function $R(x)$ with a y-intercept of -5.	2) Rational function $R(x)$ with x-intercepts of -2 and 5.	3) Rational function $R(x)$ with vertical asymptotes of $x=-2$ and $x=5$ .	4) Rational function $R(x)$ with an x-intercept of 6 and -4.
5) Rational function $R(x)$ with x-intercepts of 4, 0, and 13	6) Rational function $R(x)$ with a hole in the graph at $x=9$	7) Rational function $R(x)$ with a y-intercept of 2	8) Rational function $R(x)$ with vertical asymptotes of 7, -3, and 0.