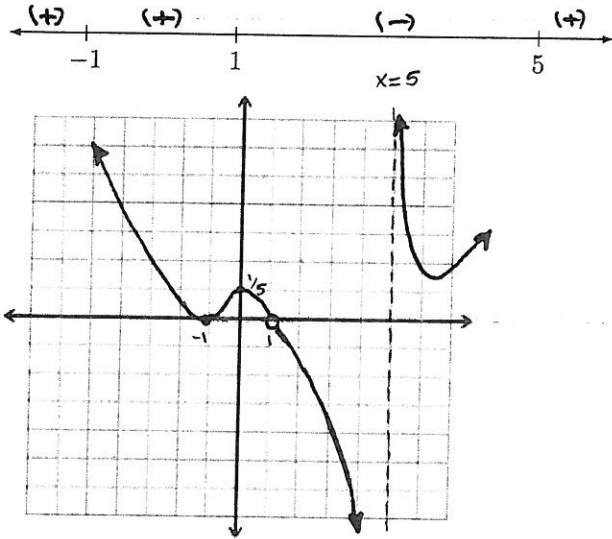


Pre-Calc AB Worksheet #61 : Answers

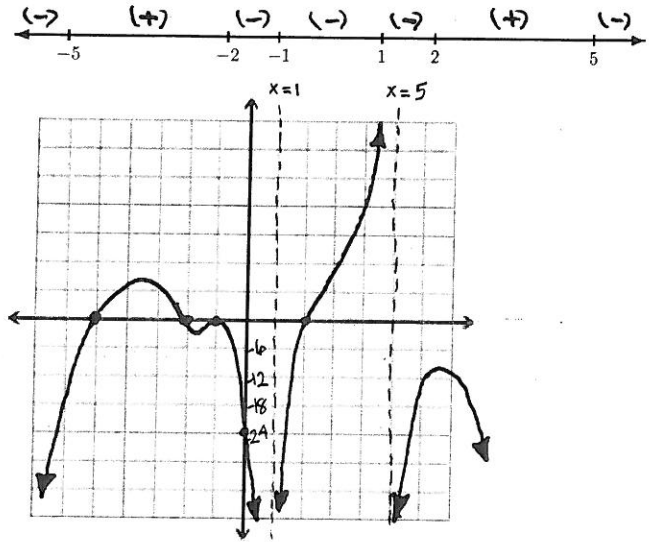
1.

Holes	(1, 0)
Zeros	-1
Multiplicities	2
V. A.	$x = 5$
HA or SA	None
Y-intercept	$(0, \frac{1}{5})$



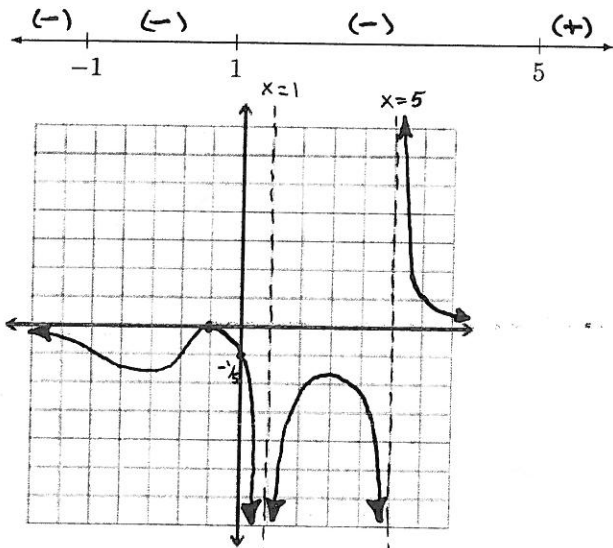
3.

Holes	None			
Zeros	-5	2	-2	-1
Multiplicities	1	1	1	2
V. A.	$x = 5$ and $x = 1$			
HA or SA	None			
Y-intercept	$(0, -24)$			



2.

Holes	None
Zeros	-1
Multiplicities	2
V. A.	$x = 1$ and $x = 5$
HA or SA	$y = 0$
Y-intercept	$(0, -\frac{1}{5})$



4.

Holes	None		
Zeros	-5	2	-1
Multiplicities	1	1	2
V. A.	$x = 5$ , $x = 1$ , $x = -2$		
HA or SA	$y = -6$		
Y-intercept	$(0, -6)$		

