

Interval	$(-\infty, -4)$	$\left(-4, -\frac{7}{3}\right)$	$\left(-\frac{7}{3}, -\frac{2}{3}\right)$	$\left(-\frac{2}{3}, \infty\right)$
Sign $f'(x)$	+	-	-	+
Sign $f''(x)$	-	-	+	+