SIGN PATTERNS

Find the sign pattern for each function.

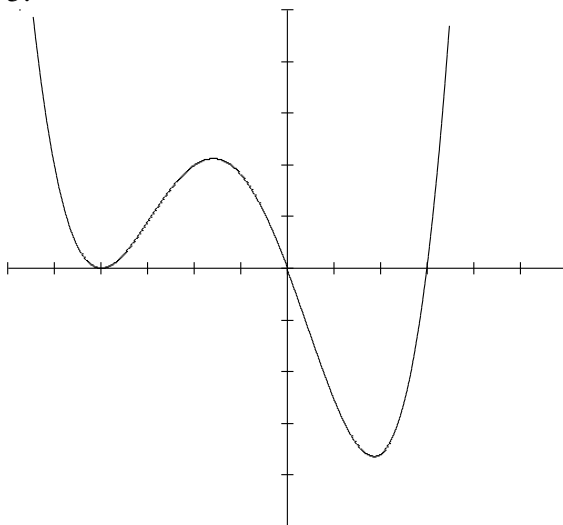1. $f(x) = (x-2)(x+3)(x-4)^2$

2. $f(x) = \cos x$ over the interval $\left[-\dfrac{\pi}{2}, 2\pi\right]$

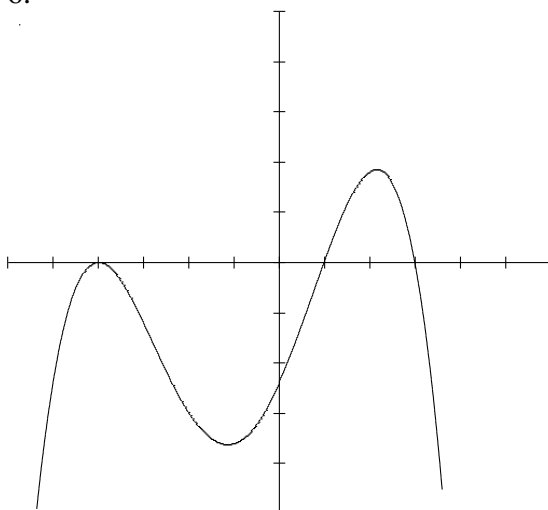3. $f(x) = \dfrac{(x-1)(x+3)}{(x-2)(x+6)}$

4. $f(x) = -(x-3)(2x+1)(x-5)$

Find the sign pattern for each.

5.

6.

7. $f(x) = \sin x$ over the interval $[0, 2\pi]$