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 \( \left[ -\frac{\pi}{2}, 2\pi \right] \)

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

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 \([0, 2\pi]\)