

# Polynomial Functions

## Question

*Suppose  $f$  is a polynomial whose only  $x$ -intercepts are  $a$  and  $b$ ,  $a \neq b$ . Which statement must be true?*

- (a)  $f$  has even degree.
- (b)  $f$  has odd degree.
- (c)  $f$  may be of either even or odd degree.

Answer: (c) zeros may repeat, so there is not enough information to determine the degree.