

31. If the zeros of a quadratic function are -1 and 3, one possible function containing these zeros is:

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

B. $f(x) = x^3 - 2x^2 - 3x$

C. $f(x) = 2x^2 + 4x - 6$

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

E. $f(x) = 2x^2 - 4x - 6$

Last Week's Answer

Simplify: $64 - \sqrt{-100}$

A. 54

B. $64 - 10i$

C. $64 + 10i$

D. $64 - 100i$

E. 74

Solution: Keep in mind that $\sqrt{-1} = i$

$$\begin{aligned}
 & 64 - \sqrt{-100} \\
 &= 64 - \sqrt{-1 \cdot 100} \\
 &= 64 - i\sqrt{100} \\
 &= 64 - 10i
 \end{aligned}$$

Each week, we'll reveal the answer to the previous week's question!

Visit us at WWW.NCEMPT.ORG

for additional resources or to register to test for FREE!