MODULE 2

LESSON 7

QUIZ

1. Question. Which of the following are best approximations of the roots of $P(x) = 2x^3 + 11x^2 + 14x + 3$?

A. -3.830, -1.489, -2.13

B. -0.818, -0.278, 6.596

C. -3.732, -1.5, -0.268

D. -9.570, -1.160, -0.270

Go to answer 1

2. Question. Which of the following are the exact values of the real zeros of $P(x) = 2x^3 + 11x^2 + 14x + 3$?

A. $-\frac{3}{2}$, -3, $-\frac{1}{2}$

B. $\frac{3}{2}$, -3, $-\frac{1}{2}$

C. $-\frac{3}{2}$, $-2 + \sqrt{3}$, $-2 - \sqrt{3}$

D. $-\frac{3}{2}$, $-2 + \sqrt{3}$, $2 - \sqrt{3}$

Go to answer 2

3. Question. Which of the following are the zeros of $P(x) = -x^4 + 5x^3 - 9x^2 + 3x + 6$ approximated to the nearest tenth.

A. -0.6, 0.4, 2.0, 2.7

B. -0.6, 2.0

C. -0.6, 0.3, 0.6, 1.3

D. -2.3, -0.7 (of multiplicity 2), 2.1

Go to answer 3

4. Question. Which of the following is true about the polynomial
$P(x) = 2x^3 + 11x^2 + 14x + 3$?

A. $P(x)$ does not have a rational zero.

B. $P(x)$ has only one rational zero.

C. $P(x)$ has exactly two rational zeros.

D. $P(x)$ has three rational zeros.

Go to answer 4

1. Answer to Question 1 is "C".
   Go back 1

2. Answer to Question 2 is "C".
   Go back 2

3. Answer to Question 3 is "B".
   Go back 3

4. Answer to Question 4 is "B".
   Go back 4