1. Problem 4.7.2, give the absolute maximum value.
   A. -1
   B. 1
   C. 0
   D. No absolute maximum value.

2. Problem 4.7.2, give the absolute minimum value.
   A. -4
   B. 0
   C. 1
   D. No absolute minimum value.

3. Problem 4.7.4, give the x-value of the absolute maximum.
   A. 2
   B. 1
   C. 5
   D. No absolute maximum value.

4. Problem 4.7.5, give the x-value of the absolute minimum.
   A. 2
   B. -1
   C. -0.5
   D. No absolute minimum value.

5. Problem 4.7.16, give the absolute minimum value.
   A. 0
   B. 9
   C. -1
   D. -3.25
   E. None of these.

Use the same choices for problems 6 and 7.

6. Problem 4.7.24, give the absolute maximum value.

7. Problem 4.7.24, give the absolute minimum value.
   A. 0.3267
   B. 0.3333
   C. 0.8104
   D. -1
   E. None of these.
Use the following problem to answer questions 8 and 9. Use the same choices for 8 and 9.

\[ f(x) = \frac{x^3}{x^2 - 1} \]

8. Give the x-value of where the absolute maximum of \( f \) occurs over the interval \([-0.9, 3]\).
9. Give the x-value of where the absolute minimum of \( f \) occurs over the interval \([-0.9, 3]\).
   A. 1.7321
   B. 2.5981
   C. 3
   D. 3.8368
   E. -0.9

10. 4.7.40, give the maximum altitude of the rocket. *Choices are in feet.*
   A. 74
   B. 24
   C. 1776
   D. 4682
   E. None of these.