

Hole in one or two

Date _____ Period _____

Identify the holes of each.

1) $f(x) = \frac{2x^2 + 8x}{x^2 + 2x}$

2) $f(x) = \frac{x^3 - 16x}{-4x^2 + 36}$

3) $f(x) = \frac{-2x - 6}{x^2 + x - 6}$

4) $f(x) = -\frac{x}{x - 1}$

5) $f(x) = \frac{x^2 + 6x + 8}{4x^2 + 8x}$

6) $f(x) = \frac{x^3 - 5x^2 + 6x}{2x^3 - 14x^2 + 24x}$

7) $f(x) = \frac{x^3 + x^2 - 12x}{3x^2 + 9x}$

8) $f(x) = \frac{x^3 - 2x^2 - 8x}{2x^2 - 4x}$

9) $f(x) = \frac{3x^3 - 18x^2 + 24x}{x^3 - 5x^2 + 6x}$

10) $f(x) = \frac{x^2 - 16}{2x^2 + 4x - 16}$