

NAME _____ DATE _____ PER _____ SCORE _____

Finding Zeros**Finding Zeros:** Find the zeros. Round to the nearest tenth when necessary.

1) $f(x) = \frac{3x^2 - 8x}{2x^2 - 1}$

2) $g(x) = 2x^4 + 3x^3 - 11x^2 - 9x + 15$

3) $f(x) = 4 - 2\ln(x - 3)$

4) $g(x) = -e^{-x} + 2e^{-2x}$

5) $f(x) = \frac{10}{3}t^{-1/3} + \frac{5}{3}t^{2/3}$

6) $f(\theta) = 4 - \sec^2 \theta$

Finding Zeros: Find the zeros. Round to the nearest tenth when necessary.

7) $f(x) = -8x^3 + 8x^2 + 6x$

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

9) $f(x) = 3x^2e^{2x+1} + 2x^3e^{2x+1}$

10) $g(x) = x \sin x \cos x$

11) $f(x) = 3x^2\sqrt{4x+1}$

12) $f(x) = \ln(x^2 - 2)$