

Name: _____

Date: _____

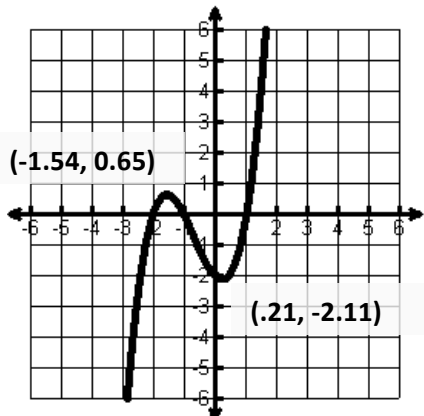
1. $f(x) = x^3 + 2x^2 - x - 2$

Rel. Max: _____ Rel. Min: _____

Abs. Max: _____ Abs. Min: _____

Inc: _____ Dec: _____

Domain: _____ Range: _____



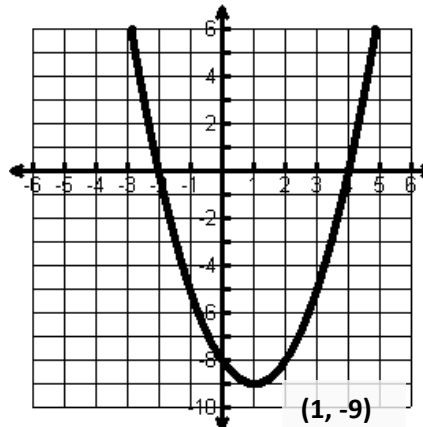
2. $f(x) = x^2 - 2x - 8$

Rel. Max: _____ Rel. Min: _____

Abs. Max: _____ Abs. Min: _____

Inc: _____ Dec: _____

Domain: _____ Range: _____



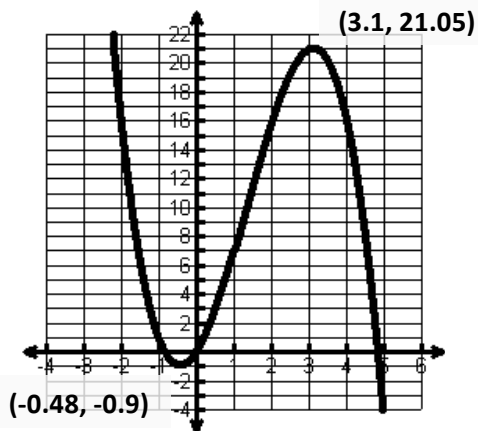
3. $f(x) = -x^3 + 4x^2 + 4x$

Rel. Max: _____ Rel. Min: _____

Abs. Max: _____ Abs. Min: _____

Inc: _____ Dec: _____

Domain: _____ Range: _____



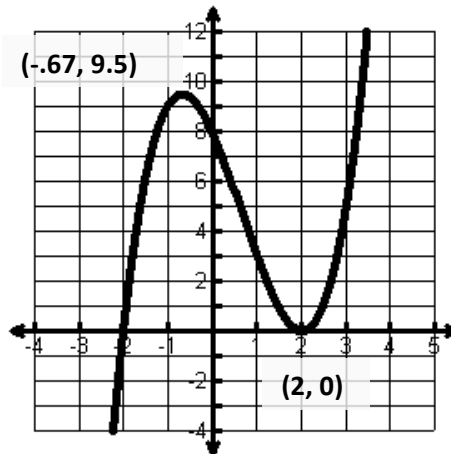
4. $f(x) = x^3 - 2x^2 - 4x + 8$

Rel. Max: _____ Rel. Min: _____

Abs. Max: _____ Abs. Min: _____

Inc: _____ Dec: _____

Domain: _____ Range: _____



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Date: _____

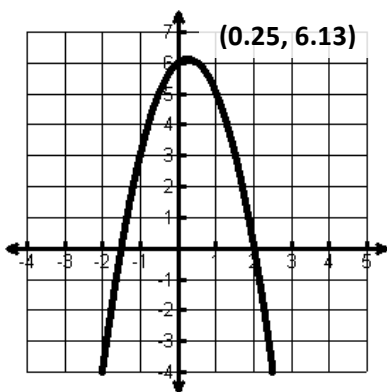
5. $f(x) = -2x^2 + x + 6$

Rel. Max: _____ Rel. Min: _____

Abs. Max: _____ Abs. Min: _____

Inc: _____ Dec: _____

Domain: _____ Range: _____



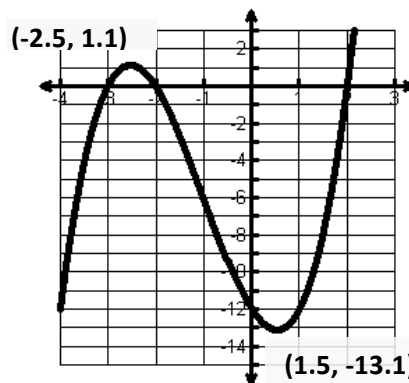
6. $f(x) = x^3 + 3x^2 - 4x - 12$

Rel. Max: _____ Rel. Min: _____

Abs. Max: _____ Abs. Min: _____

Inc: _____ Dec: _____

Domain: _____ Range: _____



Identify the **y-intercept** and the **# of zeros**

7. $f(x) = x^3 - 16$

Y-Int: _____ # of Zeros: _____

8. $f(x) = x^2 + x - 1$

Y-Int: _____ # of Zeros: _____

9. $f(x) = 9x^4 + x^3 - 3x - 10$

Y-Int: _____ # of Zeros: _____

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

Y-Int: _____ # of Zeros: _____

11. $f(x) = 7x$

Y-Int: _____ # of Zeros: _____

12. $f(x) = -2x^3 + 7$

Y-Int: _____ # of Zeros: _____