Class Review for Chapter 2, Part 2

Find the zeros of the function.

_			2		_		_
1.	ν	=	x 2	+	3x	+	2

2.
$$y = 9 - x^2$$

$$3.2x^2 - 4x + 11$$

Factored Form:

Factored Form:

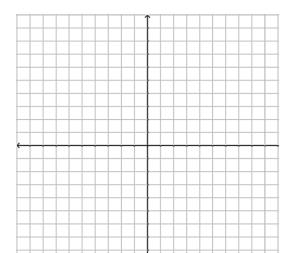
Factored Form:

4. Equation:

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

Equation in standard form:

Zeros:



y-intercept:

End Behavior:

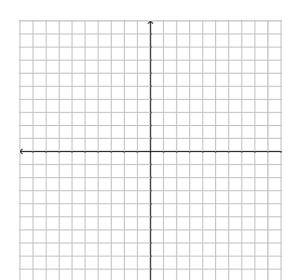
$$As x \to \infty, f(x) \to \underline{\hspace{1cm}}$$

$$As x \to -\infty, f(x) \to \underline{\hspace{1cm}}$$

5. Equation: $f(x) = x^3 + 3x^2 + 2x$

Equation in factored form:

Zeros:



y-intercept:

End Behavior:

$$As x \to \infty, f(x) \to \underline{\hspace{1cm}}$$

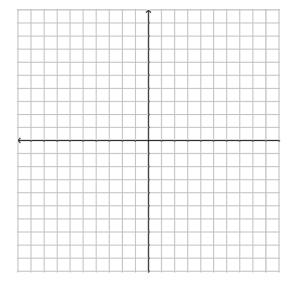
$$As x \to -\infty, f(x) \to \underline{\hspace{1cm}}$$

6. Equation: $f(x) = x^4 - $	16

Equation in factored form:

Zeros:

y-intercept:



End Behavior:

$$As x \to \infty, f(x) \to \underline{\hspace{1cm}}$$

$$As x \to -\infty, f(x) \to \underline{\hspace{1cm}}$$

7. Equation:
$$f(x) = x^3 - 8$$

Equation in factored form:

Zeros:

y-intercept:

End Behavior:

$$As x \to \infty, f(x) \to \underline{\hspace{1cm}}$$

$$As x \to -\infty, f(x) \to \underline{\hspace{1cm}}$$

