Warm up 1. Describe the end behavior of $f(x) = -3x^4 + 2x^2 - 1$. (Use the limit notation discussed in class.) 2. Simplify $\frac{2i}{1-i}$ 3. Page 112 in your book, 1 - 8 (matching). Do not graph on your calculator. Use your knowledge of end behavior to match the graph with the equation. In Exercises 1-8, match the polynomial function with its graph. [The graphs are labeled (a) through (h).] 1. f(x) = -2x + 3(a) (b) 2. $f(x) = x^2 - 4x$ 3. $f(x) = -2x^2 - 5x$ (d) 4. $f(x) = 2x^3 - 3x + 1$ 5. $f(x) = -\frac{1}{4}x^4 + 3x^2$ 6. $f(x) = -\frac{1}{3}x^3 + x^2 - \frac{4}{3}$ 7. $f(x) = x^4 + 2x^3$ 8. $f(x) = \frac{1}{5}x^5 - 2x^3 + \frac{9}{5}x$

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