

3. Show that the piecewise function is odd or even. Don't be lame and just guess one. Justify your answer!!

$$f(t) = \begin{cases} e^t, & -\pi \le t < 0\\ e^{-t}, & 0 \le t < \pi \end{cases}$$

DON'T FREAK OUT!!! Break down each part. You know what it all is, it just looks confusing. I left lots of room for your justification. You're welcome.



For 4-9, use the piecewise function g(x).

$$g(x) = \begin{cases} -3x+2, & 0 < x \le 2\\ (x-2)^2 - 4, & 2 < x \le 4\\ -1, & 4 < x \le 5 \end{cases}$$

- 4. Graph the g(x) below.
- 5. Given that the function is odd from [-5, 5], draw in the missing portion on the interval [-5, 0]
- 6. State the intervals where the function is continuous.

7. Identify the points of discontinuity and label them removable, nonremovable jump, or nonremovable infinite.

