Solve the equation by graphing by hand

1. $|x + 3| = \dfrac{1}{2}x + 3$

2. a) Graph the piecewise function
   b) State the domain and range
   c) Give any increasing, decreasing or constant intervals

$$f(x) = \begin{cases} -3, & -5 \leq x < -2 \\ x + 1 & -2 < x < 2 \\ -x + 2 & 2 \leq x < 5 \end{cases}$$