Absolute Value Function Graphs

Graph using Desmos or a calculator. Find the vertex, determine if it is a maximum or minimum, then find the domain and range.

1. y = |x + 6|
2. y = |x − 4|
3. y = −|x| + 3
4. y = |x| − 2
5. y = −|x + 3| + 7
6. y = |x − 1| − 6
7. y = |2x|
8. y = −3|x|
9. y = |13x|