

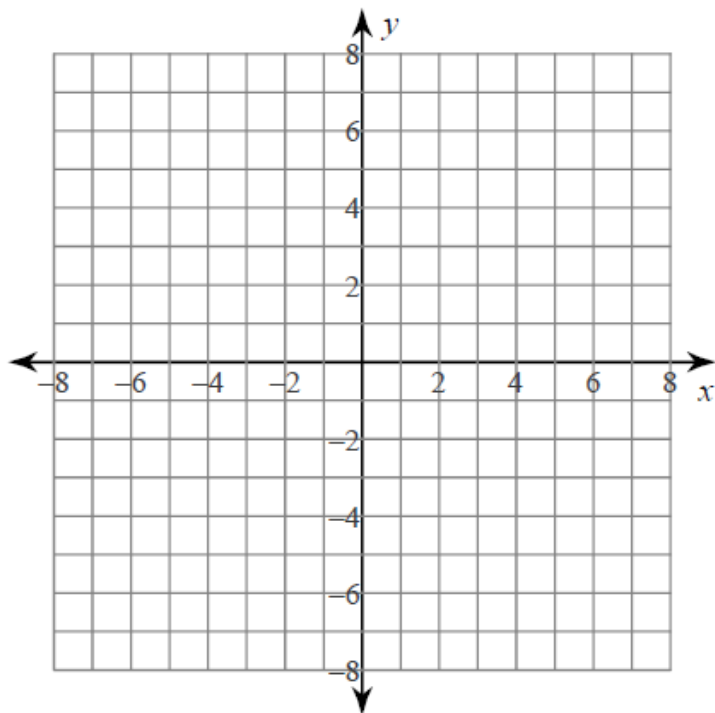
## How to graph given characteristics

Date: \_\_\_\_\_ Period: \_\_\_\_\_

1. Plot points for each zero or x intercept
2. Plot points for each max and min
3. Plot any other characteristics given
4. Connect the dots
5. Keep in mind the end behaviors

Example 1: Zeros:  $x = -5, -1, 1, 3$ 

Absolute Max: NONE

Absolute Min:  $(-3, -7)$ Relative Max:  $(0, 6)$ Relative Min:  $(2, -4)$ Example 2: Zeros:  $x = -3, -1, 2$ 

Absolute Max: NONE

Absolute Min: NONE

Relative Max:  $(-2, 2)$ Relative Min:  $(1, -8)$ 