

Name _____ Teacher _____ Date _____

1.3 Grading the Graphing Arctic Sea Ice Worksheet

*Use this worksheet to grade student responses. At this point, students can be held accountable for correct answers. If students are still struggling with these concepts, you may want to revisit parts of the Activity they are finding difficult. Correct responses are in **bold blue italics**.*

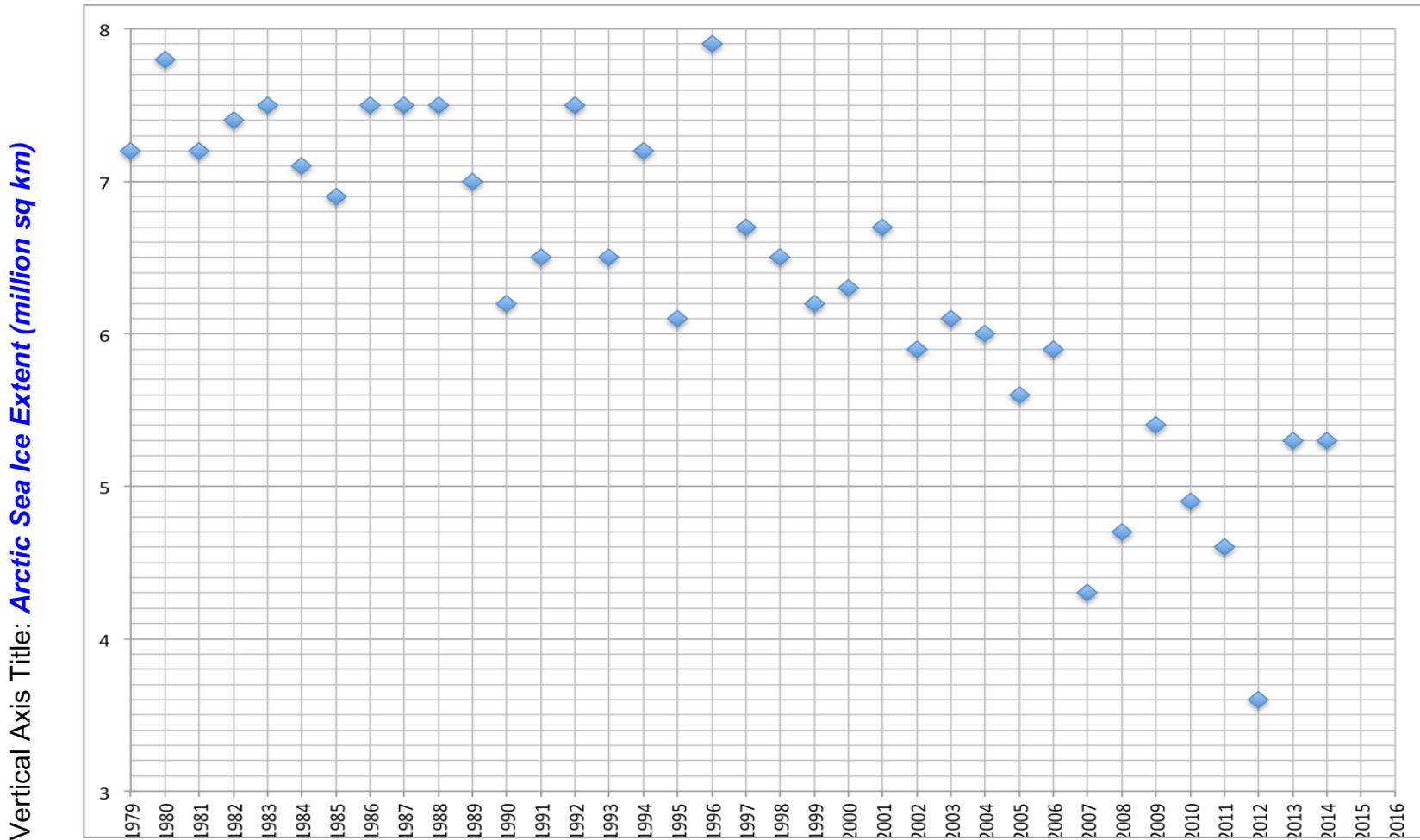
1. Record the data about arctic sea ice on the table below. You can find the information at http://nsidc.org/data/seaice_index/archives/image_select or in the class presentation.

Year (in September)	Extent of Arctic Sea Ice (million sq km)
1979	7.2
1980	7.8
1981	7.2
1982	7.4
1983	7.5
1984	7.1
1985	6.9
1986	7.5
1987	7.5
1988	7.5
1989	7.0
1990	6.2
1991	6.5
1992	7.5
1993	6.5
1994	7.2
1995	6.1

1996	7.9
1997	6.7
1998	6.5
1999	6.2
2000	6.3
2001	6.7
2002	5.9
2003	6.1
2004	6.0
2005	5.6
2006	5.9
2007	4.3
2008	4.7
2009	5.4
2010	4.9
2011	4.6
2012	3.6
2013	5.3
2014	5.3
2015	

2. Give the graph below a title, and label both the horizontal and vertical axes. Then, input the data from the table on page 1 into the graph. *Note: this is what the graph should look like at the end of Activity 1.2. For later iterations of the graphing, scroll down.*

Graph Title: **Arctic Sea Ice Extent (1979-2013)**

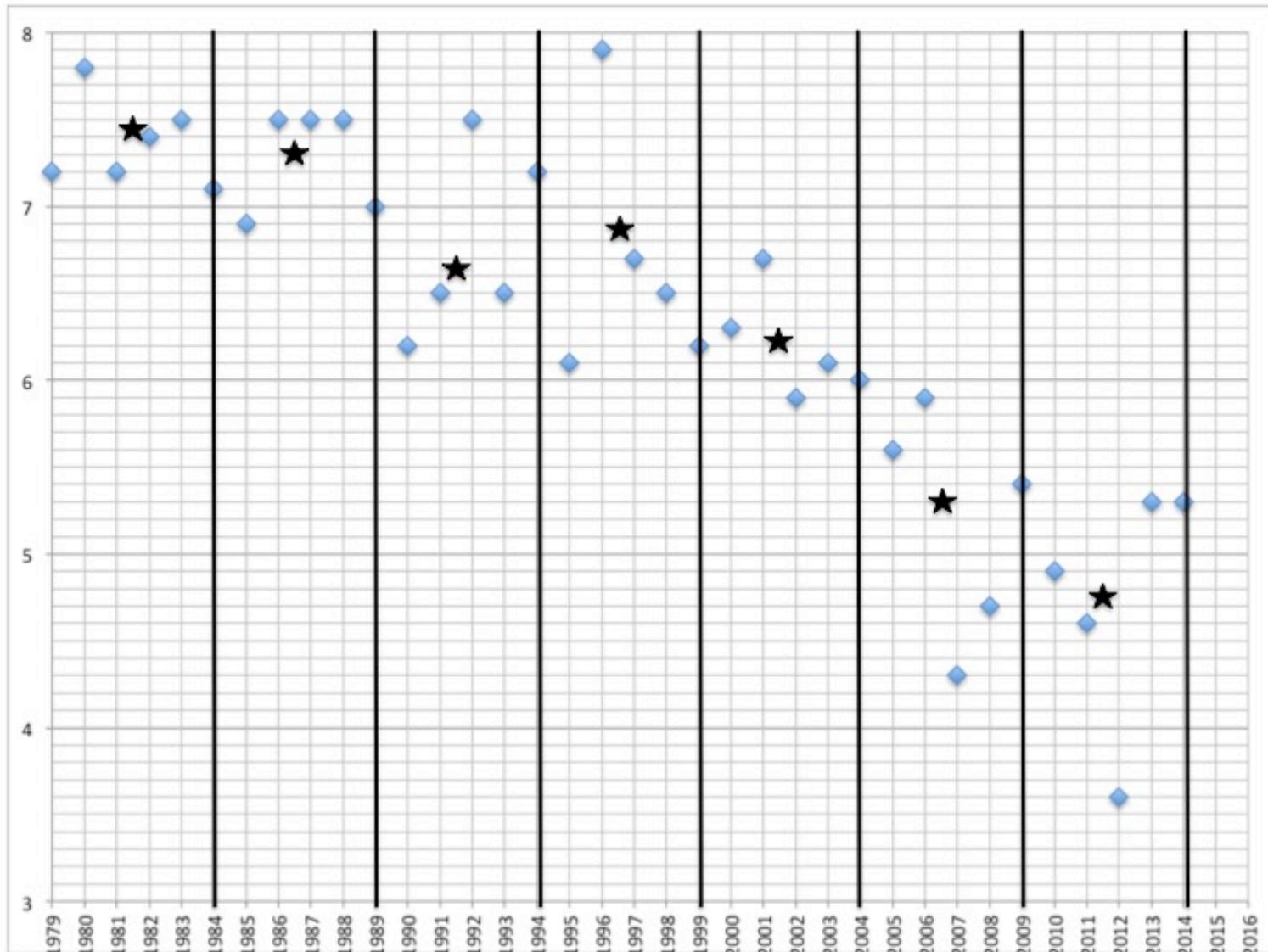


Horizontal Axis Title: **Year**

Note: this is what the graph should look like at the end of Activity 1.3. For later iterations of the graphing, scroll down.

Graph Title: **Arctic Sea Ice Extent (1979-2013)**

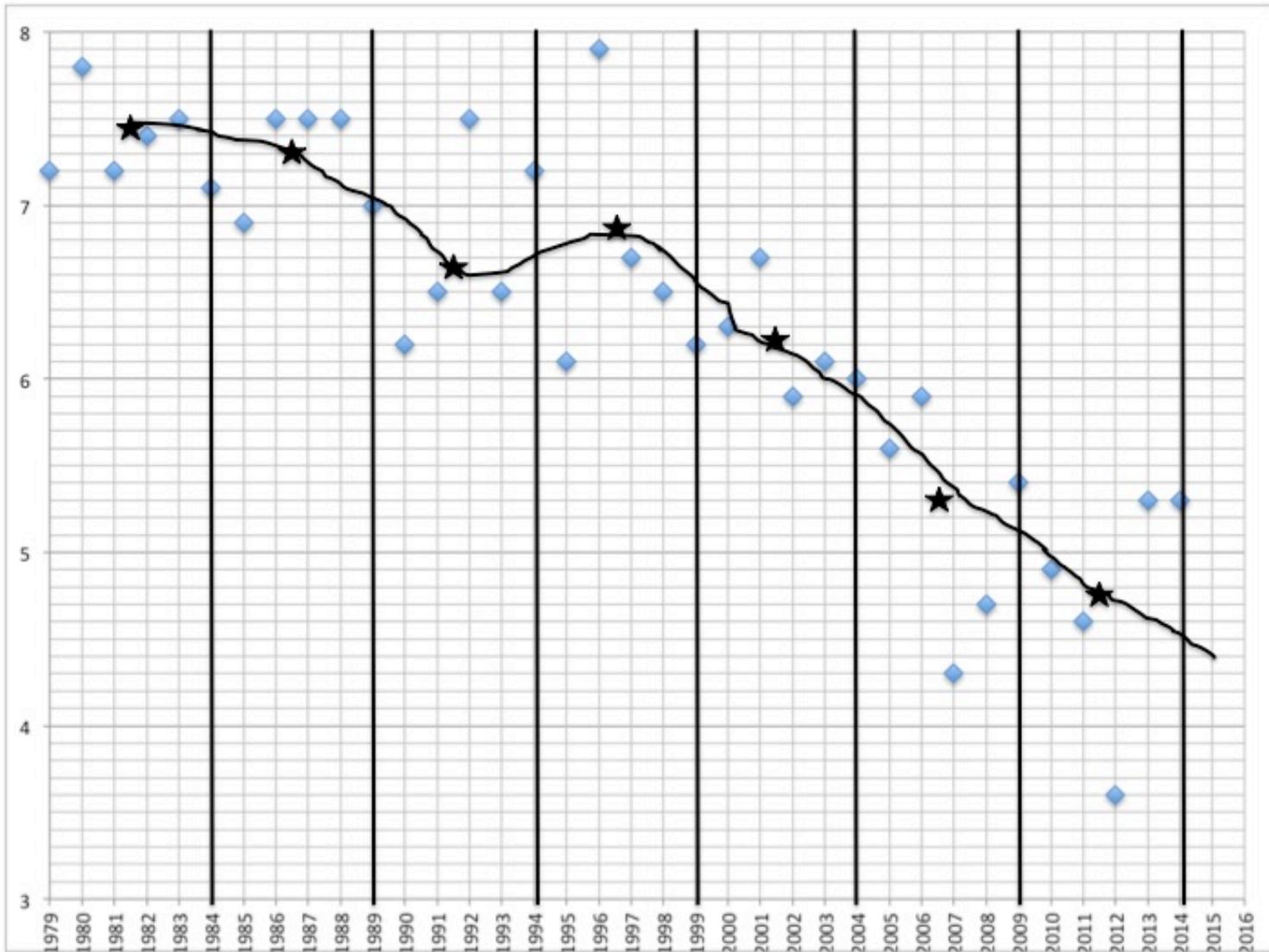
Vertical Axis Title: **Arctic Sea Ice Extent (million sq km)**



Horizontal Axis Title: **Year**

Graph Title: *Arctic Sea Ice Extent (1979-2013)*

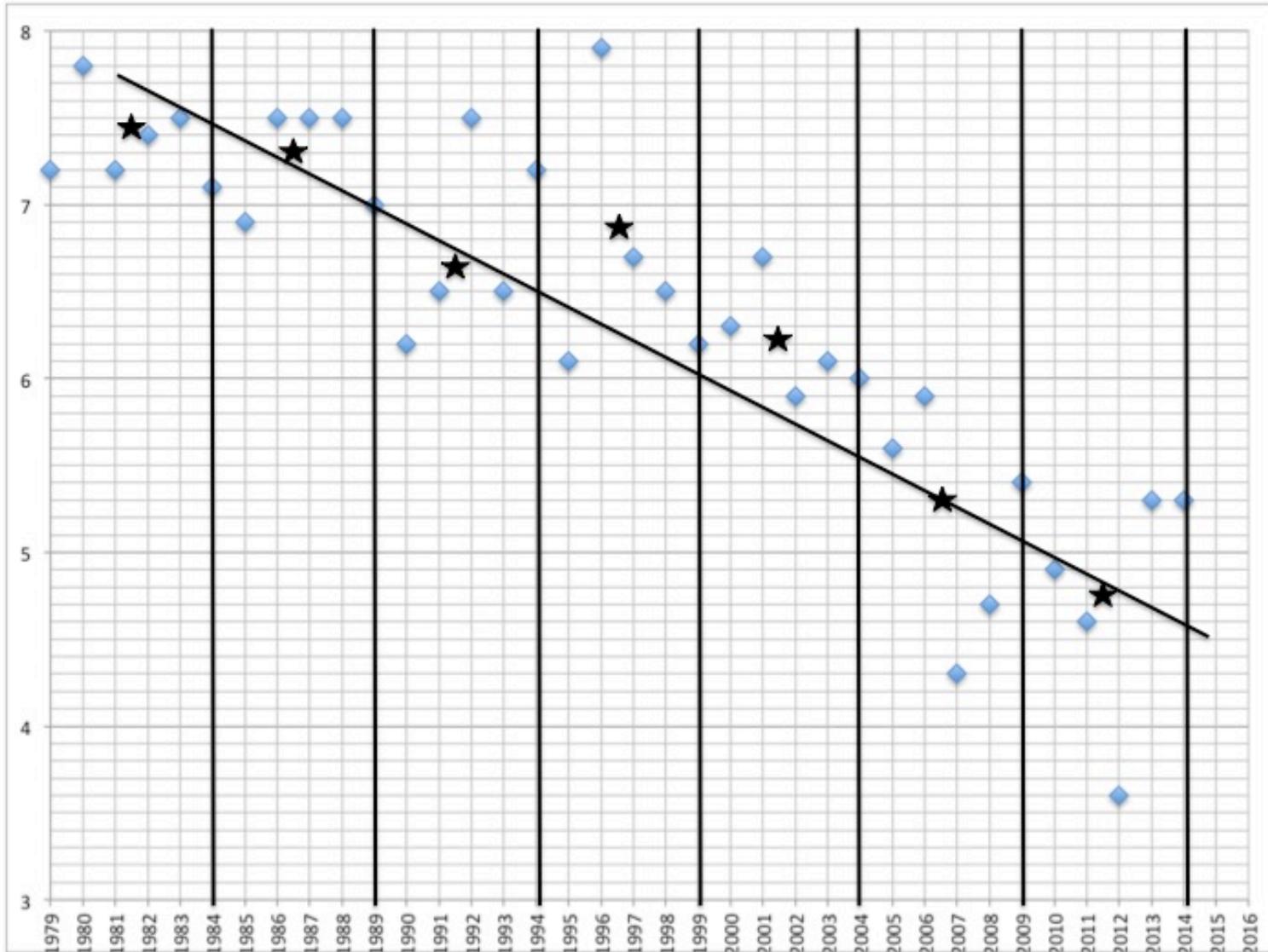
Vertical Axis Title: *Arctic Sea Ice Extent (million sq km)*



Horizontal Axis Title: *Year*

Graph Title: *Arctic Sea Ice Extent (1979-2013)*

Vertical Axis Title: *Arctic Sea Ice Extent (million sq km)*



Horizontal Axis Title: *Year*