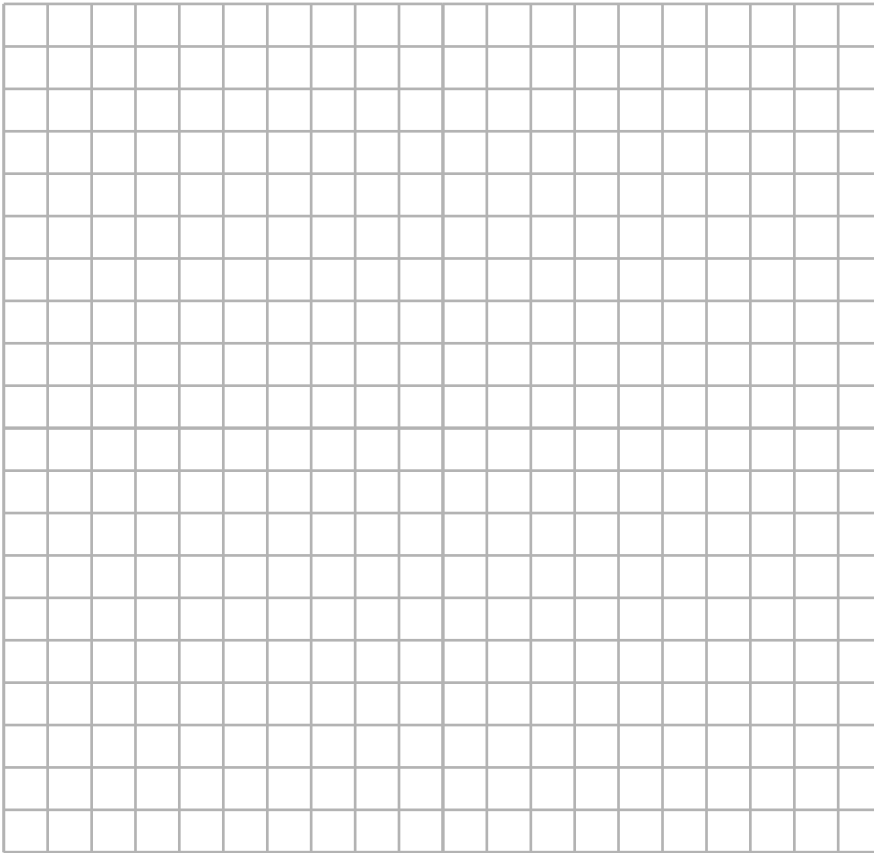Name: _____   Date: _____

Joe is collecting data of the heights of adult males and creates the frequency distribution shown on the right.

Height (inches)	Frequency
< 61	3
61 – 62	4
62 – 63	10
63 – 64	18
64 – 65	30
65 – 66	52
66 – 67	64
67 – 68	116
68 – 69	128
69 – 70	147
70 – 71	129
71 – 72	115
72 – 73	63
73 – 74	53
74 – 75	29
75 – 76	20
76 – 77	12
77 – 78	5
78+	2

1. Create a histogram of the men's heights.
2. What do you notice about the general shape?

3. Joe calculated the mean of the data as 69.5 inches. Where is this on the graph?

The Normal Distribution
(also known as the bell curve)

Many (maybe even most) quantities will be found to be normally distributed, given enough data points.

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The mean (   ) and the standard deviation (   ) are what distinguish one curve from another.

The Mean

The Standard Deviation