Practice 1-5   Name _____
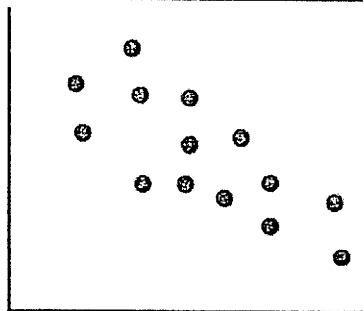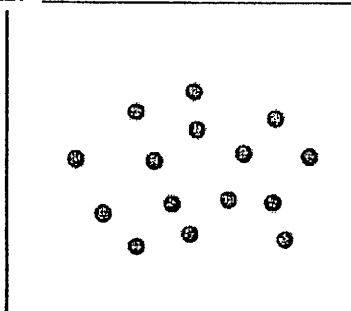
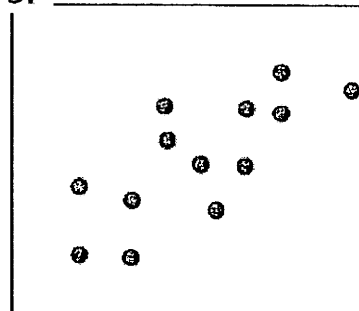Tell whether each scatter plot has positive, negative, or zero correlation.
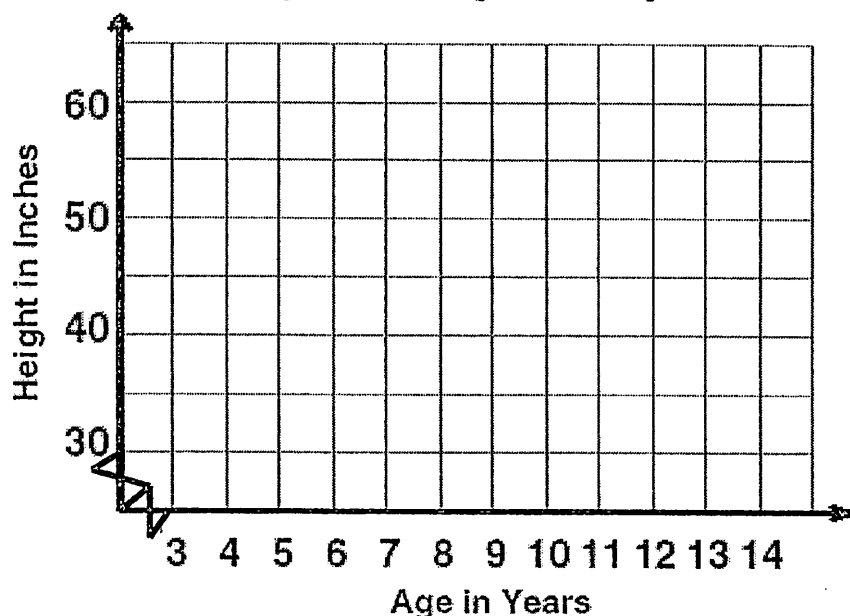
1. _____   2. _____   3. _____

4. The ages and heights of 20 children were measured at an after school program. Create a scatter plot of the following data.

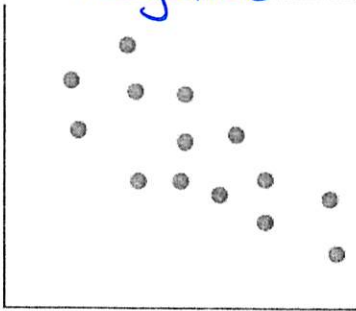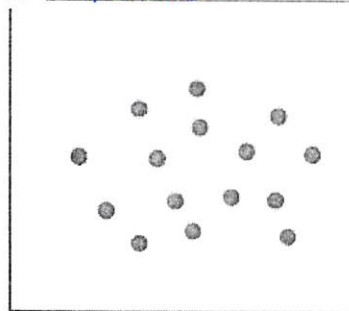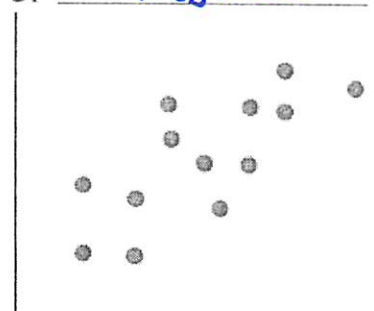| Age (y)	Height (in.)	Age (y)	Height (in.)
11	55	4	39
10	55	13	62
8	49	11	52
6	45	5	41
10	52	14	62
11	59	12	56
7	45	8	52
12	60	6	44
6	48	7	48
5	45	4	39

Draw in a trend line. Describe the correlation between age and height. _____

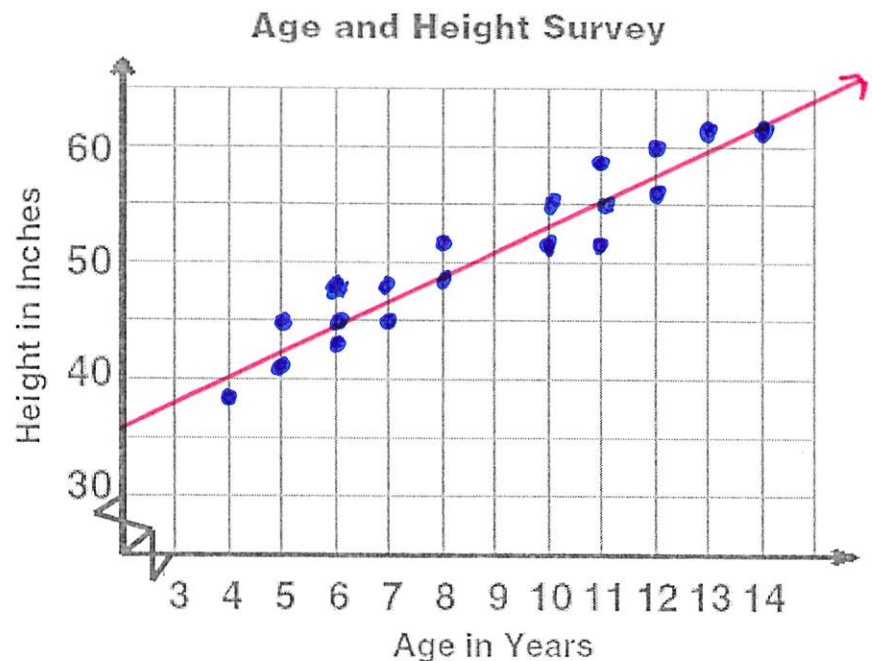Based upon the trend line, how tall would you expect a 9-year-old to be _____

What conclusion can you draw about the relationship between age and height of the children?

_____

_____

Practice 1-5   Name ___**Key**___

Tell whether each scatter plot has positive, negative, or zero correlation.

1. ___**Negative**___   2. ___**None**___   3. ___**Positive**___

4. The ages and heights of 20 children were measured at an after school program. Create a scatter plot of the following data.

Age (y)	Height (in.)	Age (y)	Height (in.)
11	55	4	39
10	55	13	62
8	49	11	52
6	45	5	41
10	52	14	62
11	59	12	56
7	45	8	52
12	60	6	44
6	48	7	48
5	45	4	39

Age and Height Survey

Draw in a trend line. Describe the correlation between age and height. ___**Positive**___

Based upon the trend line, how tall would you expect a 9-year-old to be ___**51 inches**___

What conclusion can you draw about the relationship between age and height of the children?

___**As age increases, height increases.**___