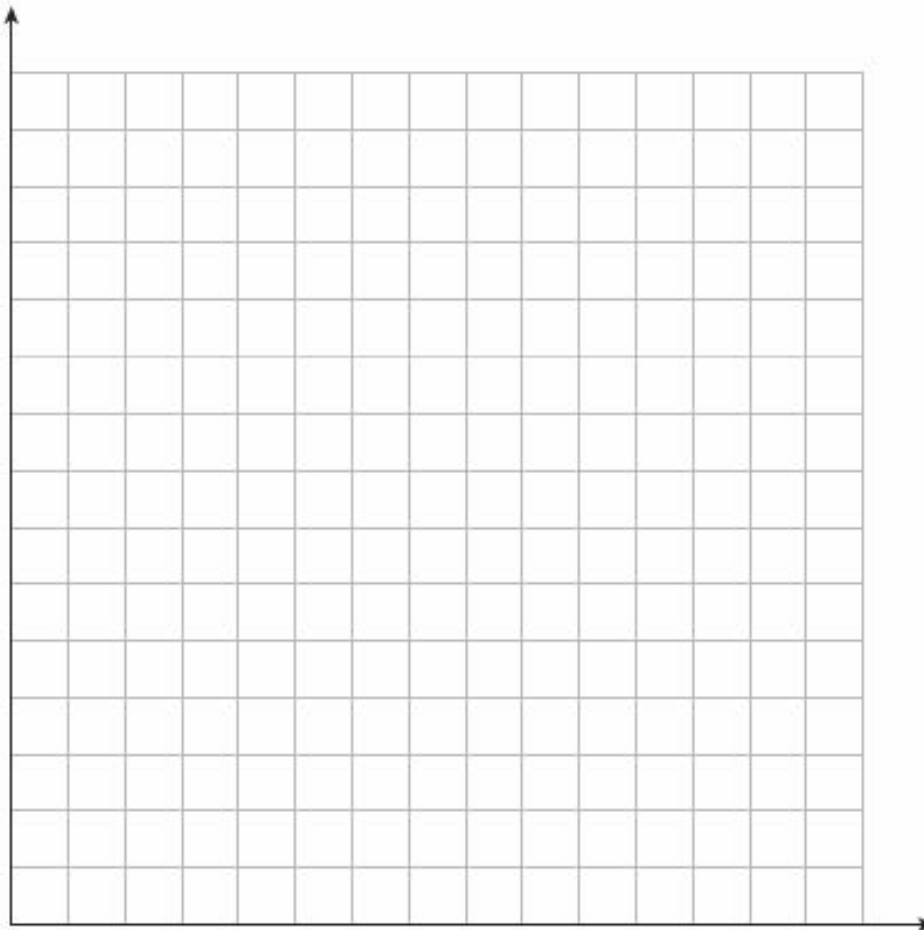**STRETCH** Optional

> Consider the data set for the temperature in Washington, D.C. since 8 A.M. on a day in winter.

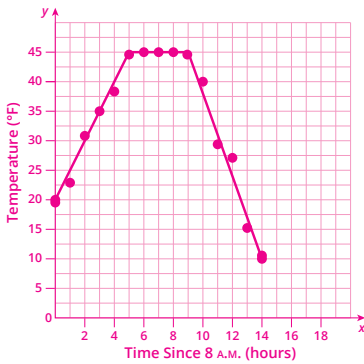| Hours since 8 A.M.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Temperature (°F)	20	23	31	35	38	45	45	45	45	45	40	29	27	16	11

1 Create a scatter plot of the data.

2 Split the data into sections that show increasing, decreasing, or constant associations, and draw lines for each section.

3 Determine an equation for the line of best fit for each section of the scatter plot. Specify for which domain each equation is the trend line.

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NOTES

STRETCH Optional

> Consider the data set for the temperature in Washington, D.C. since 8 A.M. on a day in winter.

Hours since 8 A.M.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Temperature (°F)	20	23	31	35	38	45	45	45	45	45	40	29	27	16	11

1. Create a scatter plot of the data.

2. Split the data into sections that show increasing, decreasing, or constant associations, and draw lines for each section.

3. Determine an equation for the line of best fit for each section of the scatter plot. Specify for which domain each equation is the trend line.

STRETCH

Answers will vary but should be close to these equations.

From $0 \le x < 5$, $y = 5x + 20$.

From $5 \le x \le 9$, $y = 45$.
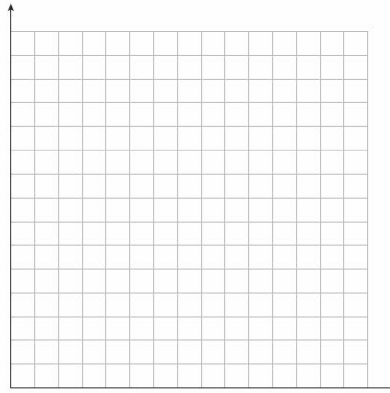
From $9 < x \le 14$, $y = -7x + 108$.