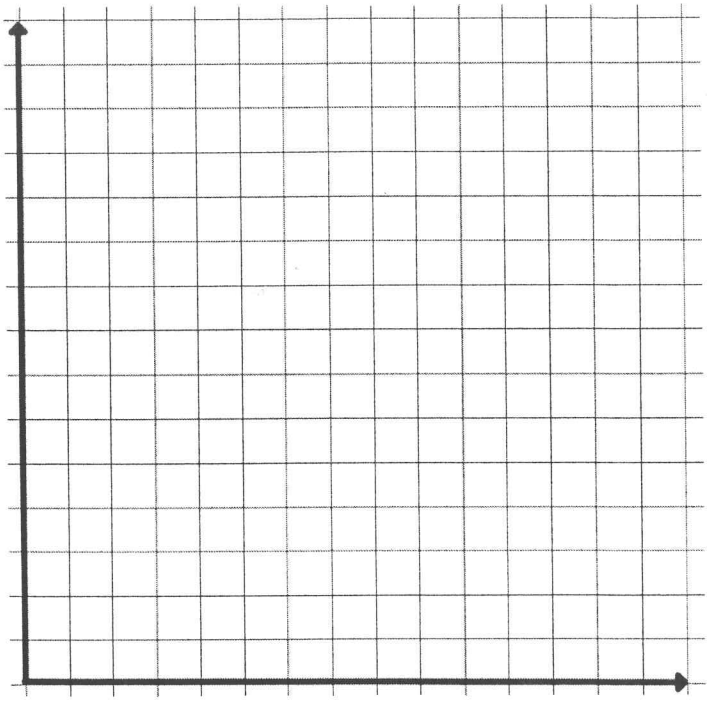
Respiration(breaths/min)	50	30	25	20	18	16	14
Heart Rate (beats/min)	200	150	140	130	120	110	100

1. Make a scatter plot of this data.
2. Draw a trend line.
3. Find the equation of this trendline.

4. Use this equation to predict the Heart Rate if the Respiration is 80.

5. Use this equation to predict the Respiration if the Heart Rate is 35.



ANSWERS

Respiration(breaths/min)	50	30	25	20	18	16	14	x
Heart Rate (beats/min)	200	150	140	130	120	110	100	y

1. Make a scatter plot of this data.
2. Draw a trend line.
3. Find the equation of this trendline.

$\frac{260-150}{70-30} = \frac{110}{40}$ $y-150=2.75(x-30)$

4. Use this equation to predict the Heart Rate if the Respiration is 80.

$\approx$ 287.5 Beats/min

5. Use this equation to predict the Respiration if the Heart Rate is 35.

-11.82

THIS ISNT POSSIBLE!