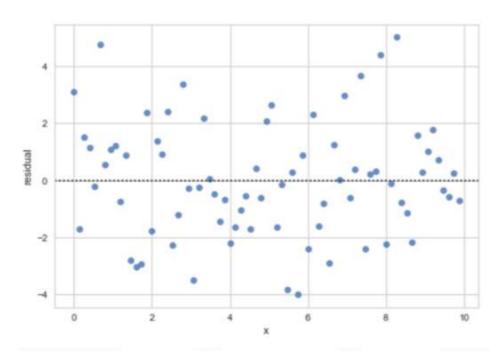
Consider the following lines of code. What is the name of the column that contains the target values?
<pre>from sklearn.linear_model import LinearRegression lm=LinearRegression()</pre>
<pre>X = df[['highway-mpg']]</pre>
Y = df['price']
<pre>lm.fit(X, Y)</pre>
Yhat=lm.predict(X)
O Yhat
O 'highway-mpg'
O fit
• 'price'

1.

1 point

2. Consider the following Residual Plot. Which of the following is a correct interpretation?



- O Since the values are distributed uniformly around a straight line, the linear model is a good fit.
- O Since the values are randomly distributed on the graph, it indicates the linear model is not a good fit.
- Since the number of values above the line is the same as the number below the line, it indicates the linear model is not a good fit.

3.	Which statement is most accurate about a higher-order polynomial model than a linear one?	1 point
	O When you compare their R ² values, the smaller value indicates the better fit.	
	When you compare their R ² values, the larger value indicates the better fit.	
	The linear model will usually appear to fit the data better.	
	 You cannot compare their R² values to decide which is a better fit. 	
4.	Consider the following lines of code. What value does the variable out contain?	1 point
	<pre>lm = LinearRegression()</pre>	
	<pre>X = df[['highway-mpg']]</pre>	
	Y = df['price']	
	<pre>lm.fit(X, Y)</pre>	
	out=lm.score(X,Y)	
	The Coefficient of Determination	
	Mean Squared Error with respect to X	
	A multiple linear regression	
	Mean Square Error with respect to y.	