

Name:

ANSWERS!

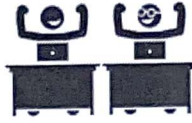
Class:



Communication



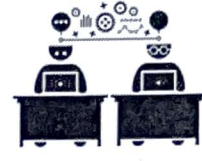
Successful Partnership



Encouragement



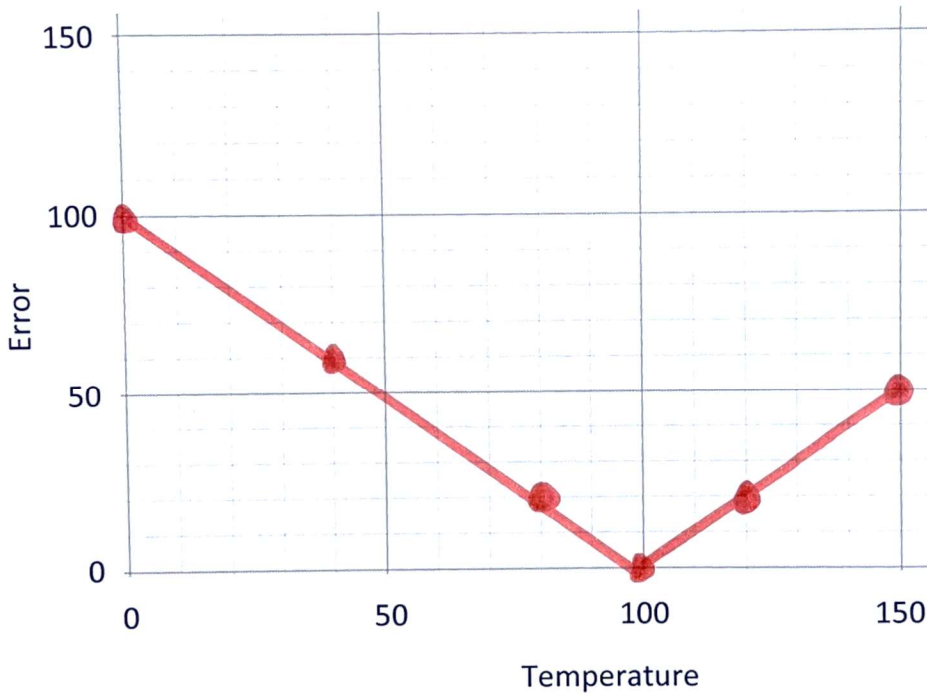
Solving Problem Together



Collaboration

Question 01

You are testing a machine that delivers a heat blast of 100 degrees Celsius. Any variation from the target temperature is considered error.



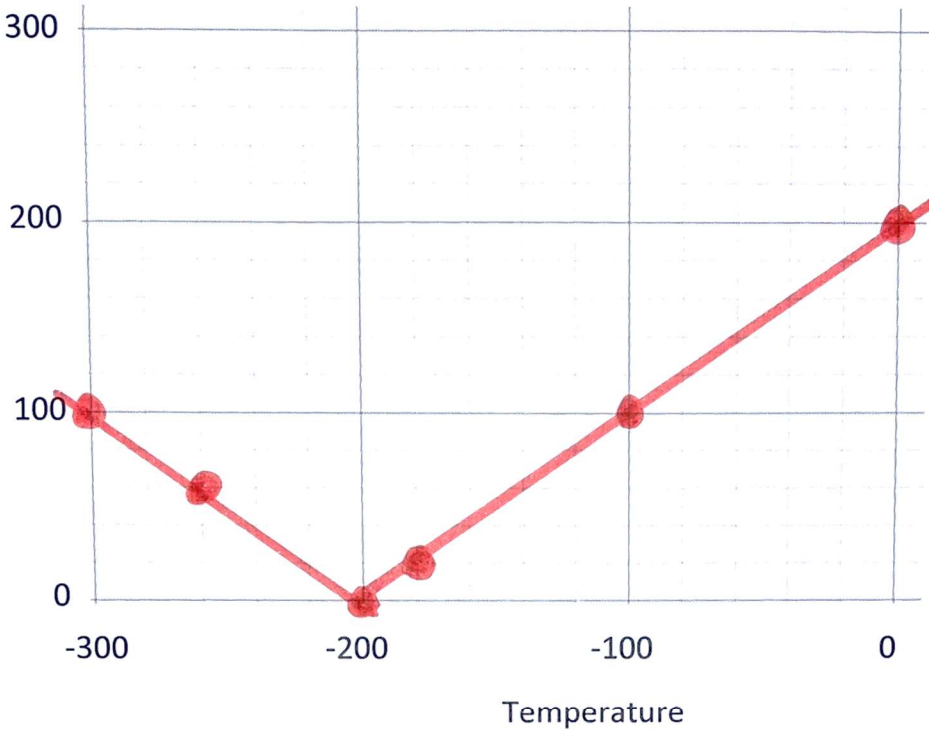
Temperature x	Error f(x)
0	100
40	60
80	20
100	0
120	20
150	50

Statement	True	False
When the temperature is 95, $f(x)$ is -5 .		✓
When the temperature is 105, $f(x)$ is -5 .		✓
The equation $f(x) = x - 100 $ gives us the absolute temperature error when the blast temperature is x degrees Celsius.	✓	

Question 02

You are testing a machine that delivers a **cold** blast of -200 degrees Celsius. Any variation from the target temperature is considered error.

Error



Temperature x	Error $g(x)$
-300	100
-260	60
-200	0
-180	20
-100	100
0	200

Statement	True	False
When the temperature is -250 , $g(x)$ is -50 .		✓
When the temperature is -205 , $g(x)$ is 5 .	✓	
When the temperature is -195 , $g(x)$ is -5 .		✓
When the temperature is -150 , $g(x)$ is 50 .	✓	
The equation $g(x) = x - 200 $ gives us the absolute temperature error when the blast temperature is x degrees Celsius.		✓
The equation $g(x) = x + 200 $ gives us the absolute temperature error when the blast temperature is x degrees Celsius.	✓	