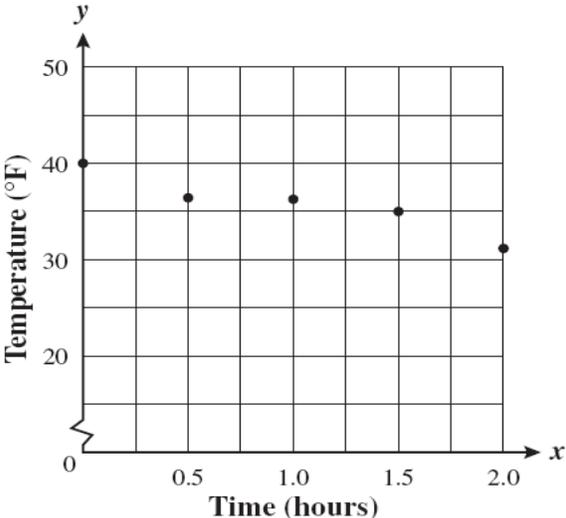


RULE OF 4 LINK SHEET

Communicating what we know about LINE OF BEST FIT

Verbal Description	Table of Values												
<p>During the beginning of a recent storm, a weather broadcaster took temperature readings every half hour and plotted the data on the scatterplot below.</p>	<table border="1" data-bbox="987 470 1362 921"><thead><tr><th>Time (hrs)</th><th>Temp (^oF)</th></tr></thead><tbody><tr><td>0</td><td>40^o</td></tr><tr><td>0.5</td><td>36^o</td></tr><tr><td>1.0</td><td>36^o</td></tr><tr><td>1.5</td><td>35^o</td></tr><tr><td>2.0</td><td>32^o</td></tr></tbody></table>	Time (hrs)	Temp (^o F)	0	40 ^o	0.5	36 ^o	1.0	36 ^o	1.5	35 ^o	2.0	32 ^o
Time (hrs)	Temp (^o F)												
0	40 ^o												
0.5	36 ^o												
1.0	36 ^o												
1.5	35 ^o												
2.0	32 ^o												
Graph	Equation(s)												
<p data-bbox="293 1140 748 1171">Storm Temperature Readings</p>  <p data-bbox="228 1331 261 1541">Temperature (^oF)</p> <p data-bbox="435 1671 607 1696">Time (hours)</p>	<p data-bbox="899 1136 1463 1251">Which of the following most closely approximates the equation of the line of best fit for the data?</p> <ul data-bbox="899 1283 1203 1482" style="list-style-type: none">A. $y = -40x + 40$B. $y = -3x + 40$C. $y = 40x + 40$D. $y = 3x + 40$ <p data-bbox="862 1520 1373 1598">Explain how you determined your answer.</p> <p data-bbox="862 1724 1422 1776">(Adapted from 2006 MCAS Grade 10 Question 3 Standard 10.D.2))</p>												