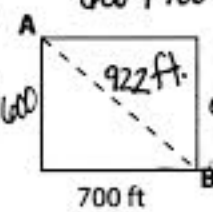
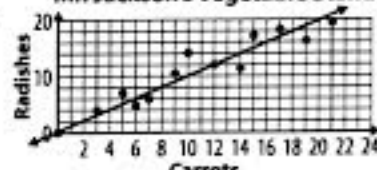
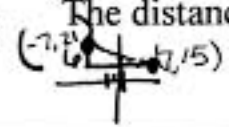
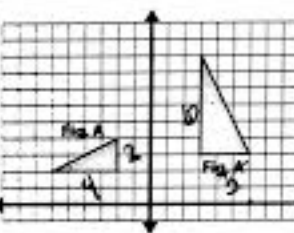
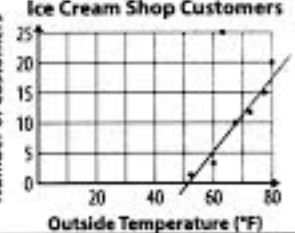
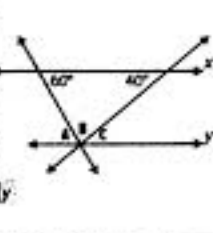
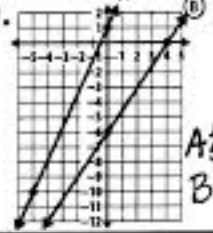
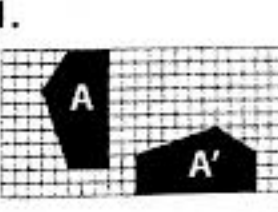


Lesson #121

<p>1. $3(2m-2) = 2(3m-4)$ $6m-6 = 6m-8$ $-6 \neq -8$ no solutions</p> <p>8.EE.7</p>	<p>2.</p> <table border="1"> <thead> <tr> <th>Linear</th> <th>Nonlinear</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>C</td> </tr> <tr> <td>B</td> <td>E</td> </tr> <tr> <td>D</td> <td>H</td> </tr> <tr> <td>F</td> <td></td> </tr> <tr> <td>G</td> <td></td> </tr> </tbody> </table> <p>8.F.3</p>	Linear	Nonlinear	A	C	B	E	D	H	F		G	
Linear	Nonlinear												
A	C												
B	E												
D	H												
F													
G													
<p>3. $600^2 + 700^2 = c^2$ $600 + 700 = 1300$ difference is 378.0 ft; diagonal is shorter $1300 - 922$</p>  <p>8.G.7</p>	<p>4. Mr. Jackson's Vegetable Stand</p>  <p>8.SP.3</p> <p>expected: 10 actually sold: 14</p>												
<p>5. $7 - -7 = 14$ $6^2 + 14^2 = c^2$ $21 - 15 = 6$ The distance is 15.23 units.</p>  <p>8.G.8</p>	<p>6.</p> <p>3.85×10^{-3}</p> <p>0.00385</p> <p>8.EE.4</p>												
<p>7.</p>  <p>8.G.4</p> <p>similar; rotated 90° clockwise dilated by a scale factor of 1.5</p>	<p>8. Ice Cream Shop Customers</p>  <p>8.SP.2</p> <p>yes; outlier is (62, 25)</p>												
<p>9.</p>  <p>8.G.5</p> <p>$m\angle A = 60^\circ$ $m\angle B = 80^\circ$ $m\angle C = 40^\circ$</p>	<p>10. Line B</p>  <p>8.F.2</p> <p>$A \frac{3}{4}$ slope = $\frac{3}{4}$ $B \frac{2}{3}$ slope = $\frac{2}{3}$</p>												
<p>11.</p>  <p>8.G.2</p> <p>90° rotation clockwise, translation right and down</p>	<p>12. $2(x-y=7)$ $4-y=7$ $5x+2y=6$ $-4-y=4$ $2x-2y=14$ $-y=8$ $5x=20$ $y=-8$ $x=4$ $y=-3$</p> <p>8.EE.8</p>												