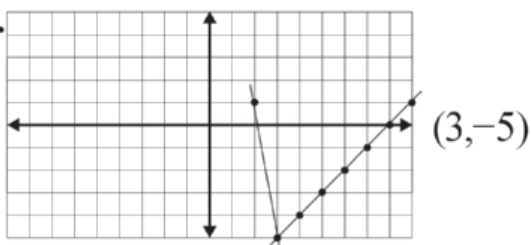
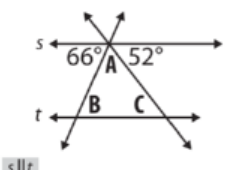
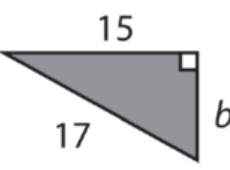
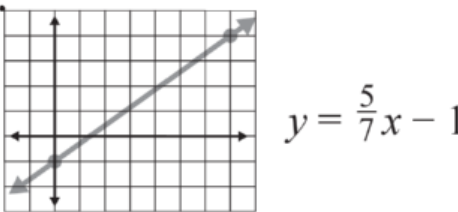


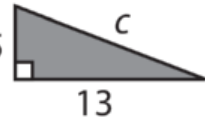
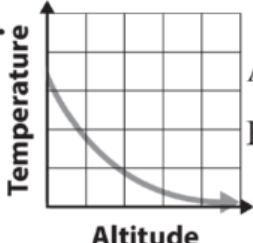


Lesson #111

<p>1.</p> <p style="font-size: small;">8.EE.1</p> <p style="text-align: center;">$11^9 b^{27}$</p>	<p>2.</p> <p style="font-size: small;">8.EE.8</p> 										
<p>3.</p> <p style="font-size: small;">8.F.2</p> <p style="text-align: center;">A) $y = 4x + 2.9$</p> <p style="text-align: center;">B) $y = 2x - 5.4$</p> <p style="text-align: center;">y-intercept = 2.9</p>	<p>4.</p> <p style="font-size: small;">8.G.9</p> <p style="text-align: center;">$V = 10,666.67\pi \text{ mm}^3$</p>										
<p>5.</p> <p style="font-size: small;">8.G.5</p>  <p style="margin-left: 100px;">$m\angle A = 62^\circ$</p> <p style="margin-left: 100px;">$m\angle B = 66^\circ$</p> <p style="margin-left: 100px;">$m\angle C = 52^\circ$</p>	<p>6.</p> <p style="font-size: small;">8.F.3</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="padding: 5px;">Linear</th> <th style="padding: 5px;">Nonlinear</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">A</td> <td style="padding: 5px;">C</td> </tr> <tr> <td style="padding: 5px;">G</td> <td style="padding: 5px;">E</td> </tr> <tr> <td style="padding: 5px;">B</td> <td style="padding: 5px;">H</td> </tr> <tr> <td style="padding: 5px;">F</td> <td style="padding: 5px;">D</td> </tr> </tbody> </table>	Linear	Nonlinear	A	C	G	E	B	H	F	D
Linear	Nonlinear										
A	C										
G	E										
B	H										
F	D										
<p>7.</p> <p style="font-size: small;">8.EE.7</p> <p style="text-align: center;">$y = 9$</p>	<p>8.</p> <p style="font-size: small;">8.EE.2</p> <p style="text-align: center;">This is not a real number. No real number times itself equals -100.</p>										
<p>9.</p> <p style="font-size: small;">8.G.7</p>  <p style="margin-left: 100px;">$b = 8$</p>	<p>10.</p> <p style="font-size: small;">8.EE.6</p>  <p style="margin-left: 100px;">$y = \frac{5}{7}x - 1$</p>										
<p>11.</p> <p style="font-size: small;">8.NS.2</p> <p style="text-align: center;">between 11 and 12</p> <p style="text-align: center;">closer to 11</p>	<p>12.</p> <p style="font-size: small;">8.EE.4</p> <p style="text-align: center;">3.85×10^2</p> <p style="text-align: center;">385</p>										

Lesson #112

<p>1.</p> <p style="font-size: small;">8.NS.1</p> <p>rational because $\sqrt{121} = 11$</p>	<p>2.</p> <p style="font-size: small;">8.EE.7</p> <p style="text-align: center;">$w = 2$</p>																				
<p>3.</p> <p style="font-size: small;">8.EE.2</p> <p style="text-align: center;">irrational</p>	<p>4.</p> <p style="font-size: small;">8.F.4</p> <p style="text-align: center;">$v = (2.6 \times 10^5)s + (5.2 \times 10^6)$</p>																				
<p>5.</p> <p style="font-size: small;">8.EE.6</p> <p style="text-align: center;">slope = -3</p>	<p>6.</p> <p style="font-size: small;">8.G.9</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>$r = 3$ cm</p>  <p>3 cm</p> </div> <div style="text-align: center;"> <p>$r = 3$ cm</p>  <p>3 cm</p> </div> </div> <p style="text-align: center;">The difference is 18π cm³.</p>																				
<p>7.</p> <p style="font-size: small;">8.EE.4</p> <p style="text-align: center;">1.2×10^7 grams</p>	<p>8.</p> <p style="font-size: small;">8.F.2</p> <div style="display: flex; justify-content: space-around;"> <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>1</td><td>0</td></tr> <tr><td>8</td><td>1</td></tr> <tr><td>15</td><td>2</td></tr> <tr><td>22</td><td>3</td></tr> </tbody> </table> <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>1</td><td>23</td></tr> <tr><td>8</td><td>16</td></tr> <tr><td>15</td><td>9</td></tr> <tr><td>22</td><td>2</td></tr> </tbody> </table> </div>	x	y	1	0	8	1	15	2	22	3	x	y	1	23	8	16	15	9	22	2
x	y																				
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15	2																				
22	3																				
x	y																				
1	23																				
8	16																				
15	9																				
22	2																				
<p>9.</p> <p style="font-size: small;">8.EE.8</p> <p style="text-align: center;">(-1, 2)</p>	<p>10.</p> <p style="font-size: small;">8.G.7</p> <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>$c = 13.93$</p> </div> </div>																				
<p>11.</p> <p style="font-size: small;">8.F.5</p> <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>A) decreases</p> <p>B) linear / nonlinear</p> </div> </div>	<p>12.</p> <p style="font-size: small;">8.EE.1</p> <p style="text-align: center;">$\frac{7}{b^2}$</p>																				