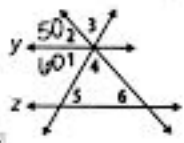
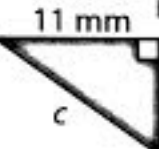
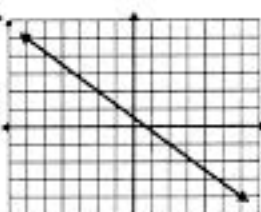
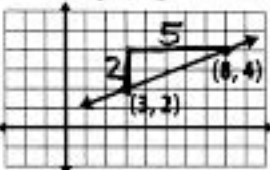


Lesson #113

<p>1. $180 - 50 - 60 = 70$</p> <p>8.G.5</p>  <p>$m\angle 4 = 70^\circ$</p> <p>8.EE.8</p>	<p>2. $3(x+4y=1)$ $-3x-12y=-3$</p> <p>$3x-2y=-25$ $\frac{3x-2y=-25}{-14y=-28}$</p> <p>$(-7, 2)$ $y=2$</p>																				
<p>3. $a^2+b^2=c^2$</p> <p>$11^2+8^2=c^2$</p> <p>$121+64=c^2$</p> <p>$185=c^2$ $c=13.6$ mm</p> <p>8.G.7</p> 	<p>4.</p> <p>8.F.3</p>  <p>yes</p>																				
<p>5. $a^2+b^2=c^2$ $2^2+5^2=c^2$</p> <p>$29=c^2$</p> <p>horiz. leg = 5</p> <p>vert. leg = 2</p> <p>hypotenuse = 5.4 units</p> <p>8.G.8</p> 	<p>6. $2.98 \times 10^5 + 6.7 \times 10^4$</p> <p>$= 6.7 \times 10^5$</p> <p>$3.65 \times 10^5$</p> <p>8.EE.4</p>																				
<p>7. A) 7.1 and 7.3</p> <p>B) 7.3 and 7.5</p> <p>C) 7.5 and 7.7</p> <p>D) 7.7 and 7.9</p> <p>8.NS.2</p>	<p>8. $V = \frac{4}{3}\pi r^2 h$</p> <p>$3.14 \cdot 49 \cdot 8.5$</p> <p>$V = 1,307.81 \text{ in.}^3$</p> <p>8.G.9</p>																				
<p>9. $3s + 10(s-1.5) = 24$</p> <p>$3s + 10s - 15 = 24$</p> <p>$13s - 15 = 24$ $s = 3$</p> <p>$+15 \quad +15$</p> <p>$13s = 39$</p> <p>8.EE.7</p>	<p>10.</p> <p>8.F.1</p> <p>A</p>																				
<p>11. $n^3 = \frac{64}{843}$</p> <p>$n = \frac{4}{7}$</p> <p>8.EE.2</p>	<p>12.</p> <p>8.F.2</p> <table border="1" data-bbox="852 1638 1315 1816"> <tbody> <tr> <td>x</td> <td>y</td> <td>x</td> <td>y</td> </tr> <tr> <td>0</td> <td>4</td> <td>-3</td> <td>8</td> </tr> <tr> <td>7</td> <td>11</td> <td>-2</td> <td>3</td> </tr> <tr> <td>14</td> <td>18</td> <td>-1</td> <td>-2</td> </tr> <tr> <td>21</td> <td>25</td> <td>0</td> <td>-7</td> </tr> </tbody> </table>	x	y	x	y	0	4	-3	8	7	11	-2	3	14	18	-1	-2	21	25	0	-7
x	y	x	y																		
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