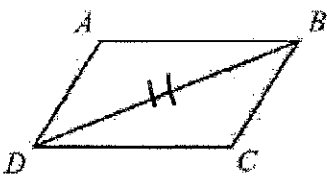
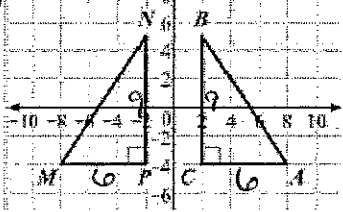
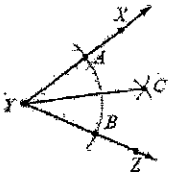
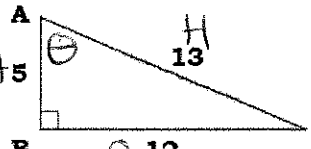
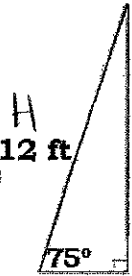
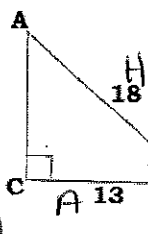
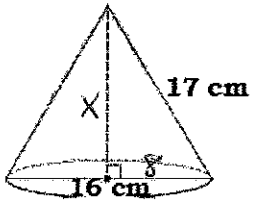
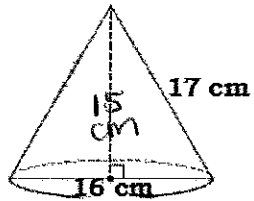
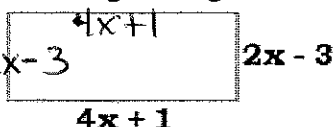
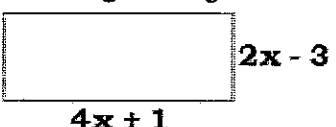


	MONDAY - Feb 1	TUESDAY - Feb 2	WEDNESDAY - Feb 3	THURSDAY - Feb 4								
UNIT 1	<p>$\overline{BD} \cong \overline{BD}$. Which property proves this?</p> <p><u>Reflexive Property</u></p> 	<p>Are the following triangles congruent. If so, which congruency theorem proves it?</p>  <p>yes, SAS cong. th.</p>	<p>Triangle ABC has the following points A (3, 6); B (12, 15); and C (9, 0). If it dilated with a scale factor of 1/3, what are the new points?</p> <p>A': <u>(1, 2)</u> B': <u>(4, 5)</u> C': <u>(3, 0)</u></p>	<p>What is the first step in constructing the angle bisector shown?</p>  <p>A. Place compass point on point A and draw an arc inside $\angle Y$. B. Place compass point on vertex Y and draw an arc that intersects XY & YZ.</p>								
T 2 and UNIT 5	<p>Find the measure of $\angle A$.</p>  <p>$\sin \theta = \frac{12}{13}$ $\sin^{-1}(12/13)$ m$\angle A = 67.380^\circ$</p>	<p>Factor the expression: $16a^4 - 81$</p> <p>$(4a^2 + 9)(4a^2 - 9)$ $(4a^2 + 9)(2a + 3)(2a - 3)$</p>	<p>Solve for x.</p>  <p>$\sin 75 = \frac{x}{12}$ $x = 12 \sin 75$ $x = 11.591$ ft</p>	<p>Find the missing angle:</p>  <p>$\cos \theta = \frac{13}{18}$ $\cos^{-1}(13/18)$ $\theta = 43.762^\circ$</p>								
UNIT 3	<p>Find the height of the cone:</p>  <p>$8^2 + x^2 = 17^2$ $64 + x^2 = 289$ $x^2 = 225$ $x = 15$ cm</p>	<p>Find the volume of the cone:</p>  <p>$V = \frac{1}{3} \pi r^2 h$ $V = \frac{1}{3} \pi (8)^2 (15)$ $V = 320\pi$ $V = 1005.310$ cm³</p>	<p>A cylinder and a cone both have a radius of 10 cm and a height of 9 cm. Show that the volume of the cylinder is 3 times the cone's volume.</p> <p>Cylinder: $V = \pi r^2 h$ $V = \pi (10)^2 (9)$ $V = 900\pi = 2827.433$ cm³</p> <p>Cone: $V = \frac{1}{3} \pi r^2 h$ $V = \frac{1}{3} \pi (10)^2 (9)$ $V = 300\pi = 942.478$ cm³</p>	<p>The volume of a sphere is 400π in³. What is the radius of the sphere?</p> <p>$V = \frac{4}{3} \pi r^3$ $400\pi = \frac{4}{3} \pi r^3$ $300 = r^3$ $r = \sqrt[3]{300} = 6.694$ in</p>								
UNIT 4	<p>Simplify:</p> <p>$(x+4)(x^2 - 5x + 3)$</p> <table border="1" data-bbox="105 1753 414 1869"> <tr> <td>x</td> <td>x³</td> <td>-5x²</td> <td>3x</td> </tr> <tr> <td>+4</td> <td>4x²</td> <td>-20x</td> <td>12</td> </tr> </table> <p>$x^3 - 5x^2 - 17x + 12$</p>	x	x ³	-5x ²	3x	+4	4x ²	-20x	12	<p>Simplify:</p> <p>$(3x^2 + 7x - 2) - (3x + 2)$</p> <p>$3x^2 + 7x - 2 - 3x - 2$</p> <p>$3x^2 + 4x - 4$</p>	<p>Find the perimeter of the following rectangle:</p>  <p>Add up sides</p> <p>$12x - 4$ units</p>	<p>Find the area of the following rectangle:</p>  <p>$(4x+1)(2x-3)$</p> <p>$8x^2 - 12x + 2x - 3$</p> <p>$8x^2 - 10x - 3$ units²</p>
x	x ³	-5x ²	3x									
+4	4x ²	-20x	12									