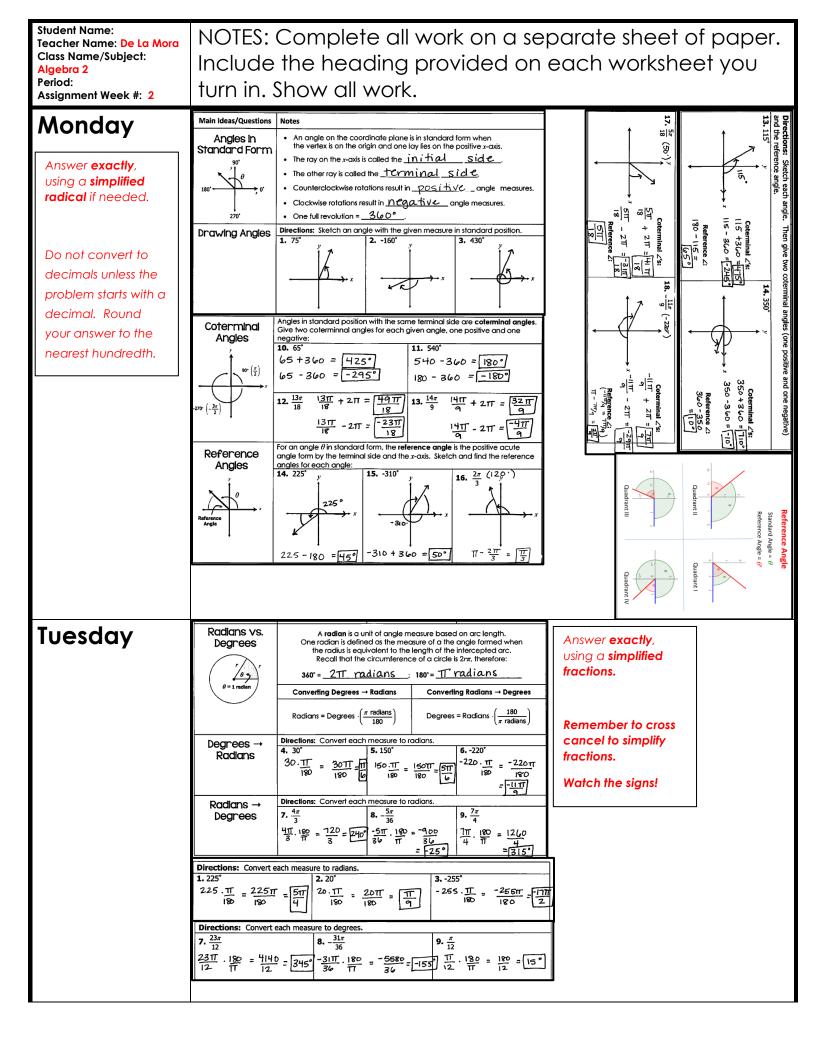
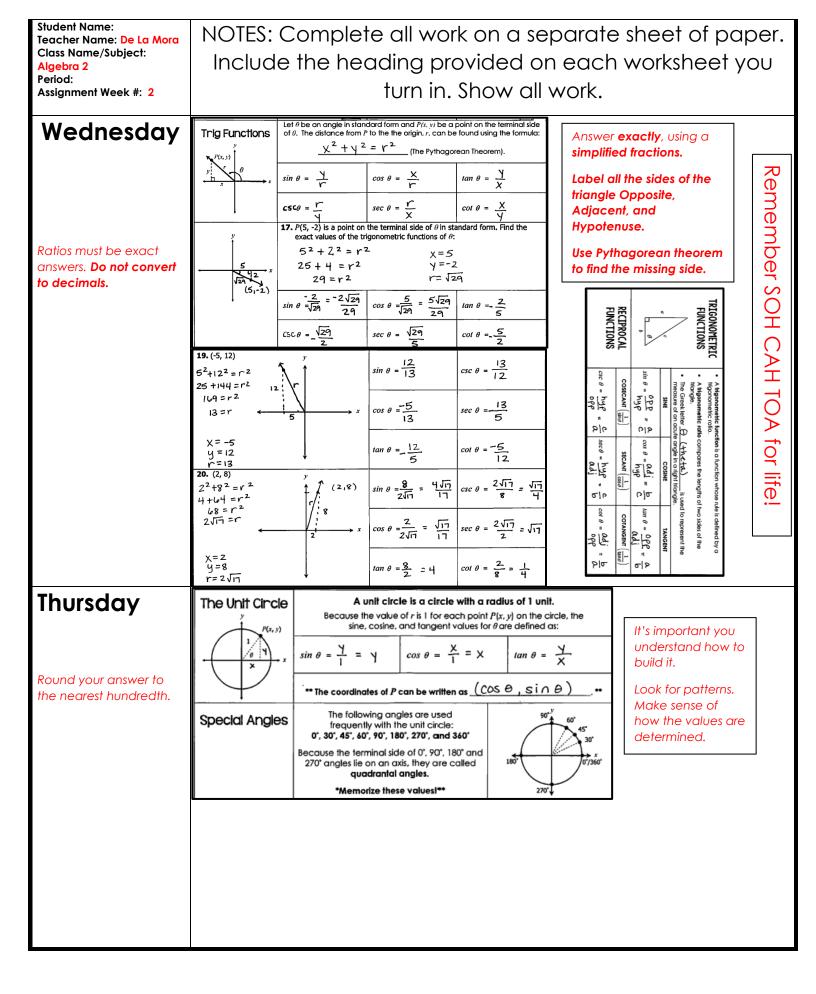
| Teacher <u>DeLaMora</u> Subject _ | <u>Algebra 2</u> | Dates_ | 4/27 | <u>-5/1 (</u> | Week : | <u>2)</u> | 7-12 Wee | ekly F | Planner | Welcome to our Distance Learning Classroom! |
|-----------------------------------|------------------|--------|------|---------------|--------|-----------|----------|--------|---------|---|
|                                   |                  | -      |      |               | _      |           | -        |        |         |   |

| Studen | t Time Ex | pectation | per da | y: <mark>30</mark> | minutes |
|--------|-----------|-----------|--------|--------------------|---------|
|        |           |           |        |                    |         |

| Content Area<br>& Materials  | Learning Objectives   | Tasks  | n per day: 30 minutes<br>Check-in                             | Opportunities   | Submission of Work for<br>Grades  |  |  |
|--|---|--|---|---|---|--|--|
| Digital<br>(If you can work digitally,<br>please do. It will help to<br>keep us all safe ③)<br>Khan Academy (KA)<br>Access Code:<br>G2Z9QPT5<br>EdPuzzle (EP)<br>Access Code:<br>WEFOBEC   | <ul> <li>Suggested Order / Pacing</li> <li>Angles of Rotation/<br/>Reference Angles<br/>and Arc Length<br/>(Monday)</li> <li>Radians/Conversion<br/>(Tuesday)</li> <li>Triangle on a<br/>Coordinate Plane<br/>(Wednesday)</li> <li>Building the Unit<br/>Circle (Thursday-<br/>Friday)</li> </ul> | Students are<br>complete the<br>assigned Kha<br>Academy an<br>EdPuzzle Assi  | during the times i<br>d<br>gnments.<br>• 12<br>Mo<br>• Re     | a Mora is available<br>e office hours at<br>indicated below.<br>:00 – 2:00 pm<br>onday-Friday<br>mind App<br>DDE: 9b69ee<br>lelamora@tusd.net | <ul> <li>KA assignments will be<br/>recorded with the<br/>highest scores<br/>attained</li> </ul>  |  |  |
| Hard Copy (Please only use<br>this if you do not have<br>technology available)<br>Notes + Examples<br>Assignments<br>Do these<br>assignments ONLY<br>if you do not have<br>digital access. | <ul> <li>Suggested Order / Pacing</li> <li>Angles of Rotation/<br/>Reference Angles<br/>and Arc Length<br/>(Monday)</li> <li>Radians/Conversion<br/>(Tuesday)</li> <li>Triangle on a<br/>Coordinate Plane<br/>(Wednesday)</li> <li>Building the Unit Circle<br/>(Thursday-Friday)</li> </ul>      | <ul> <li>Students are<br/>the lesson an<br/>examples pro</li> <li>On a separat<br/>of paper for e<br/>assignment, e<br/>ALL problems<br/>your work.</li> </ul> | d during the the times i esheet each 0 12 Ma eshowing 0 Re CO | a Mora is available<br>e office hours at<br>indicated below.<br>:00 – 2:00 pm<br>onday-Friday<br>mind App<br>DDE: 9b69ee<br>delamora@tusd.net | <ul> <li>Group your work<br/>together for your math<br/>class IN ORDER, and<br/>with the following<br/>labels clearly<br/>displayed:</li> <li>Student Name:<br/>Teacher Name:<br/>Class Name/Subject:<br/>Period:<br/>Assignment Week #</li> <li>Assignments will be<br/>scored on accuracy.</li> </ul> |  |  |
| <ul> <li><u>Scheduled</u>, if possible,</li> <li>Discussion</li> <li>Scaffolds &amp; Supports</li> </ul>   | Zoom classes can be held during tutoring hours. Schedule your meetings by visiting the class website:<br>kimballmath.wordpress.com<br>Discussions will revolve around discovery and application of concepts assigned for the week.<br>KA assignments can often be re-tried to improve learning.   |  |   |   |   |  |  |
|  | Videos are utilized to demonstrate not only key concepts, but also frequent points of errors, helping students avoid pitfalls.  |  |   |   |   |  |  |
| Teacher Office Hours2 hours daily (all classes):• Contact• Platform  | Monday<br>12:00 – 2:00 pm 1   | Tuesday<br>2:00 – 2:00 pm  | Wednesday<br>12:00 – 2:00 pm                                  | Thursday<br>12:00 – 2:00 p  | Friday<br>m 12:00 – 2:00 pm   |  |  |





| Student Name:<br>Teacher Name: De La Mora<br>Class Name/Subject: Algebra 2<br>Period:<br>Assignment Week #: 2  | Complete all work on a separate sheet of paper.<br>Show all work. Include the heading provided on each<br>worksheet you turn in. |
|--|--|
| Monday   | Tuesday  |
| Find the reference angle for each.   | Convert the angle $\theta = \frac{8\pi}{9}$ radians to degrees.<br>Express your answer exactly.                                  |
| Find the reference angle for each.<br>$ \begin{array}{c}  & & & \\  & & & &$ | Convert the angle $\theta = -\frac{19\pi}{5}$ radians to degrees.<br>Express your answer exactly.                                |
| Find the reference angle for each.<br>$31\pi$<br>9<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4   | Convert the angle $\theta = -310^{\circ}$ to radians.<br>Express your answer exactly.  |
| Find a coterminal angle between 0° and 360°.<br>Not multiple choice, find a cot. angle for each.<br>a.) -330°<br>b.) 640°<br>c.) -435°   | Convert the angle $\theta = \frac{17\pi}{18}$ radians to degrees.<br>Express your answer exactly.                                |
| Find a coterminal angle between 0° and 360°.<br>Not multiple choice, find a cot. angle for each.<br>a.) -442°<br>b.) 285°<br>c.) -545°   | Convert the angle $\theta = \frac{257\pi}{360}$ radians to degrees.<br>Express your answer exactly.                              |
| Find a coterminal angle between 0 and $2\pi$ .<br>Not multiple choice, find a cot. angle for each.<br>a.) $\frac{11\pi}{3}$<br>b.) $\frac{15\pi}{4}$   | Convert the angle $\theta = -35^{\circ}$ to radians.<br>Express your answer exactly.   |
| C.) $-\frac{19\pi}{12}$<br>C.) $-\frac{35\pi}{18}$   | Convert the angle $\theta = 100^{\circ}$ to radians.<br>Express your answer exactly.   |

| Student Name:<br>Teacher Name: De La Mora<br>Class Name/Subject: Algebra 2<br>Period:<br>Assignment Week #: 2   |  | Complete all work on a separate sheet of paper. Show<br>all work. Include the heading provided on each<br>worksheet you turn in.   |    |  |  |
|---|--|--|----|--|--|
| Wednesde  | ау   | Thursday/Friday  |    |  |  |
| P (5, -2) is a point on the terminal<br>standard form. Find the exact value<br>trigonometric functions of $\theta$ :<br>$\frac{x}{cos \theta} = \frac{cos \theta}{cos \theta} = \frac{cos \theta}{cos \theta} = \frac{r}{cos \theta}$ P (3, 2) is a point on the terminal single form. Find the exact values of the   | Uses of the<br>$tam \theta = tam \theta =$ | The unit circle –<br>A circle whose center is<br>at (0,0) and whose<br>radius is 1 Any point on<br>the circumference of<br>the circle can be<br>described by an<br>ordered pair (x,y). The<br>coordinates of<br>$P_{1} = (0, 1, 0, 0)$   | 1  |  |  |
| functions of $\theta$ :   | $tan \theta =$   | B are (0.6, 0.8)   | le |  |  |
| $csc \theta = sec \theta =$   | $\cot \theta =$  | $C = \underline{\qquad},$  |    |  |  |
| P (-1, -1) is a point on the termino<br>standard form. Find the exact value<br>trigonometric functions of $\theta$ :  |  | <ul> <li>E =</li> <li>2.) In which quadrant are both x and y positive?</li> <li>3.) In which quadrant is x negative and y positive?</li> <li>4.) In which quadrant is x positive and y negative?</li> <li>5.) In which quadrant is x negative and y negative?</li> <li>Draw an angle of 30° in standard position on the unit circle (see above). Mark the initial ray and the terminal ray, Laber</li> </ul> |    |  |  |
| $csc \theta = sec \theta = c$   | of $\theta$ =  | <ul><li>it Q. Label the point where the terminal ray meets the circumference as θ.</li><li>1.) What are the coordinates of θ?</li></ul>  |    |  |  |
| $P(-3, 6) \text{ is a point on the terminal standard form. Find the exact value trigonometric functions of $\theta$:}$  |  | <ul> <li>Drop a perpendicular from Q to the x-axis to construct a right-angled triangle, centered at (0, 0).</li> <li>2.) What is the length of the hypotenuse?</li> <li>3.) What is the length of the opposite?</li> <li>4.) What is the length of the adjacent?</li> <li>Using trigonometric ratios, (not a calculator), calculate the sin 30°, cos 30° and the tan 30°.</li> </ul>                        | е  |  |  |
| $P(-3, -2) \text{ is a point on the termines standard form. Find the exact value trigonometric functions of $\theta$:}$ $\int_{y}^{y} \int_{zsc \ \theta} = \frac{\cos \theta}{\sin \theta} = $ |  | <ul> <li>5.) sin 30° =</li> <li>6.) cos 30° =</li> <li>7.) tan 30° =</li> <li>Compare these with the values of the x and y coordinates of Q.</li> <li>8.) What do you notice about the x and y coordinate of Q and the trigonometric functions sin 30°, cos 30 and tan 30°?</li> </ul>   | es |  |  |