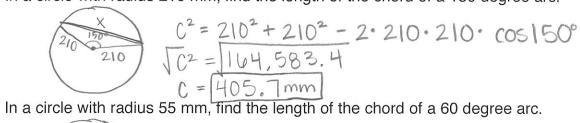
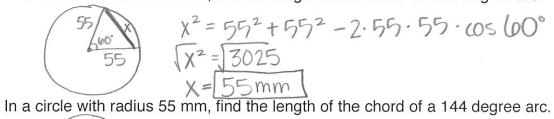
Unit N Exam Review

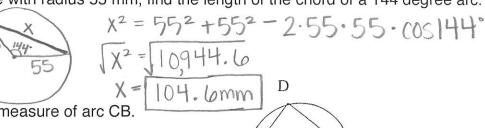
1. In a circle with radius 210 mm, find the length of the chord of a 150 degree arc.



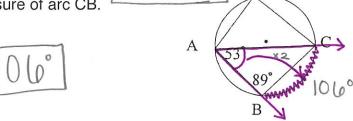
2.



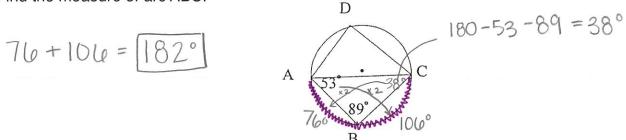
3.



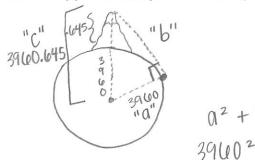
Find the measure of arc CB 4.



5. Find the measure of arc ABC.



Suppose that you are on the top of a 3,405 ft mountain, if there are no hills are 6. obstructions in your way how far can you see? (Remember...the radius of the Earth is approximately 3,960 miles).



$$\frac{3405f+}{5280 \text{ ft/mi}} = .645$$

$$0^{2} + b^{2} = c^{2}$$

 $3940^{2} + b^{2} = 3940.445^{2}$
 $3940^{2} + b^{2} = 3940^{2}$
 -3940^{2}
 $b = 71.5 \text{ mi}$