Trigonometry 3.1 Algebra 2

1) \angle XOA, \angle XOB, \angle XOC, and \angle XOD have reference angles of 30°. Complete a sketch of each angle on the figure. Give the measure of each angle in degrees and radians and give the coordinates of points A, B, C, and D.



Give the radian measure for each angle below. Use the unit circle above to give the sine, cosine, and tangent ratios of each angle in fraction and decimal form. 5) $\angle XOA$ 6) $\angle XOB$ 7) $\angle XOC$ 8) $\angle XOD$

9) \angle XOA, \angle XOB, \angle XOC, and \angle XOD have reference angles of 45°. Complete a sketch of each angle on the figure. Give the measure of each angle in degrees and radians and give the coordinates of points A, B, C, and D.



Give the radian measure for each angle below. Use the unit circle above to give the sine, cosine, and tangent ratios of each angle in fraction and decimal form.

13) ∠XOA 14)	∠XOB	15) $\angle XOC$	16) ∠XOD
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17) \angle XOA, \angle XOB, \angle XOC, and \angle XOD have reference angles of 60°. Complete a sketch of each angle on the figure. Give the measure of each angle in degrees and radians and give the coordinates of points A, B, C, and D.



21) $\angle XOA$ 22) $\angle XOB$ 23) $\angle XOC$

24) ∠XOD