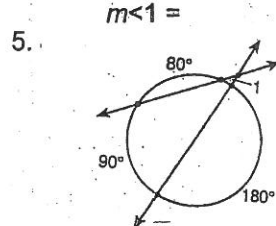
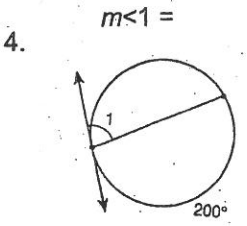
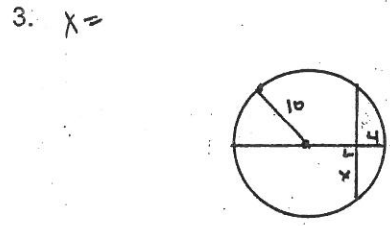
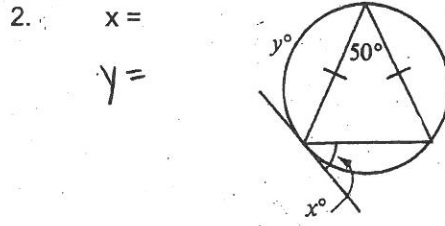
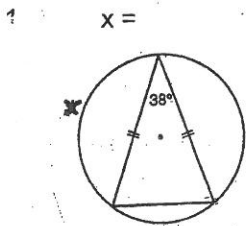
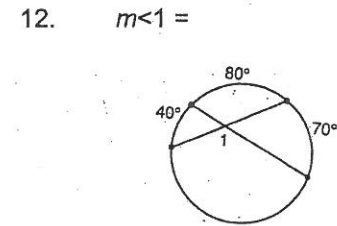
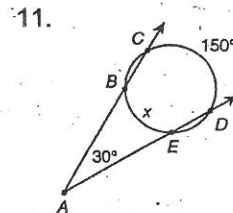
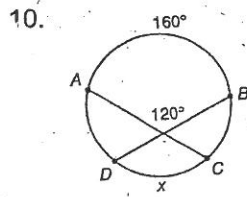
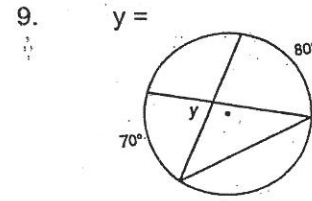
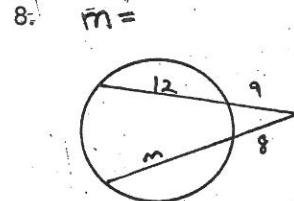
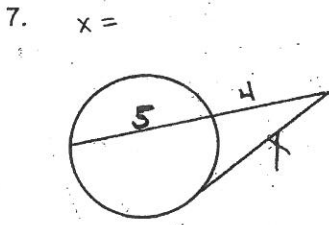
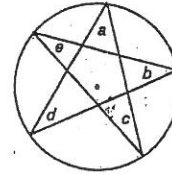


Solve for the variable(s) in each problem. (1 pt ea)

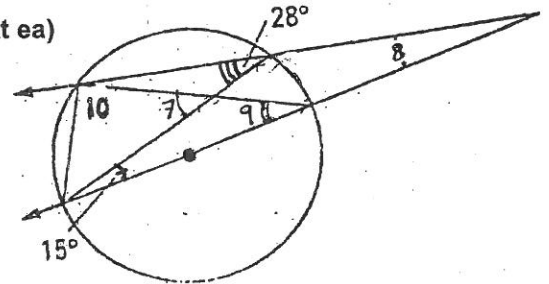


6. What is the sum of $a + b + c + d + e$?



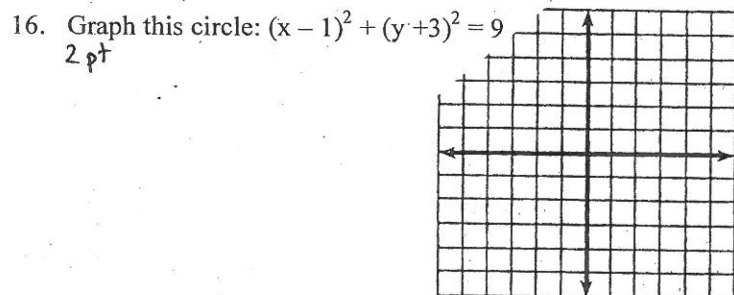
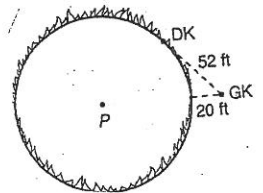
13. Find the measure of the indicated angle in the diagram at right. (1 pt ea)

- a. $\angle 7 =$
- b. $\angle 8 =$
- c. $\angle 9 =$
- d. $\angle 10 =$

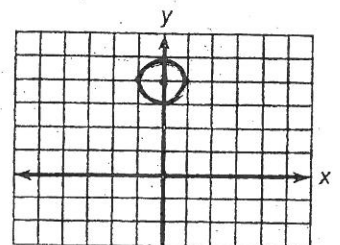


14. A speed skater is skating on a circular path. The radius of the track is 70 ft. The skater falls, leaves the track, and slides for 200 ft. When she comes to a stop, how far is she from the center of the track? (when he slides off track it's in a line tangent to circle) 2 pt

15. Sir Good Knight is standing 20 feet from a circular ring of fire surrounding a Princess, and the Dark Knight is standing 52 ft from Sir Good Knight at the edge of the fire. How far is the fire from the fair Princess? 2 pt



17. Write the equation of the graphed circle. 2 pt



18. Write the equation of the circle that has a center of (5,2) and passes through the point (-7,7). 3 pt.