**HW 7-1**

1. **Find the value of each variable.**

=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b˚=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Find the value of each variable.**

x

x



**Determine whether a tangent line is shown in each diagram. Explain.**

4. 5. 6.

In the figure, name an example of each of the following:

7. tangent line\_\_\_\_\_

13. arc\_\_\_\_\_

14. major arc\_\_\_\_\_

15. minor arc\_\_\_\_\_

16. semi-circle\_\_\_\_\_

17. inscribed angle\_\_\_\_\_

18. circumscribed angle\_\_\_\_\_

19. central angle \_\_\_\_\_

8. radius\_\_\_\_\_

9. diameter\_\_\_\_\_

10. secant line\_\_\_\_\_

11. chord\_\_\_\_\_

12. circle\_\_\_\_\_

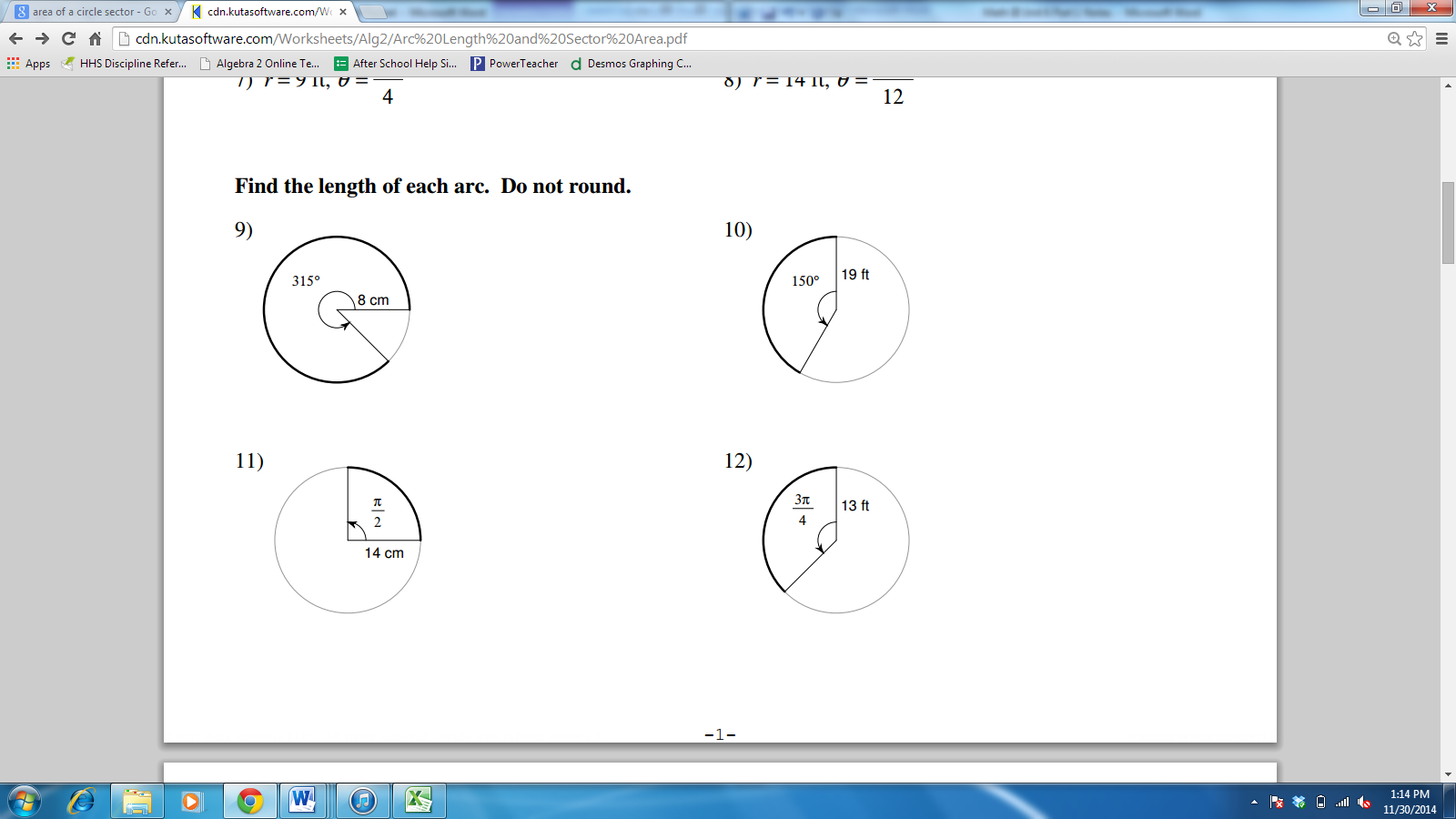
**HW 7-2**

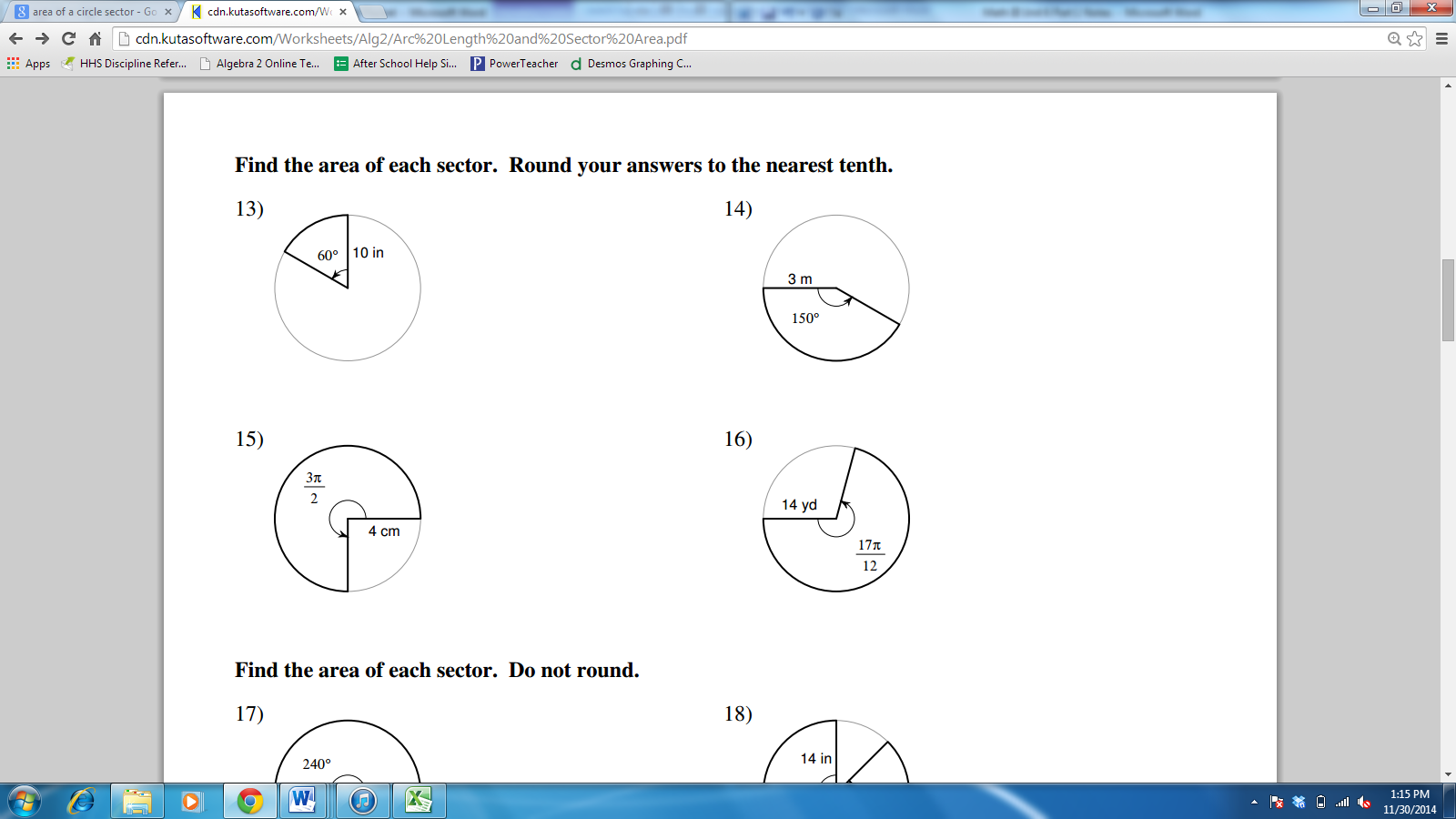
Convert the following degree measures into radians.

1. 180 2. 225 3. 80 4. 270

Convert the following radian measures into degrees.

5. 6. 7. 8.

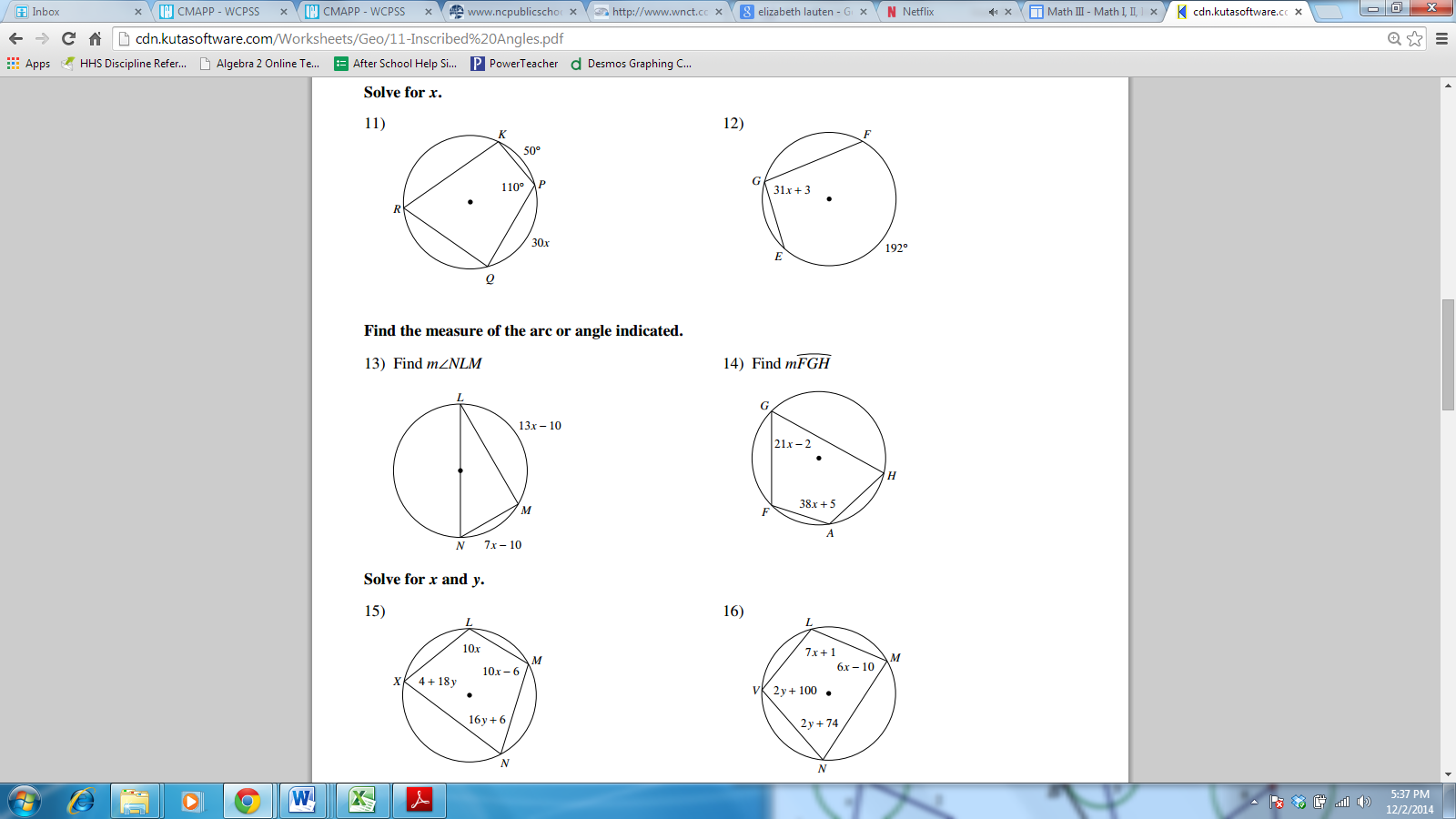


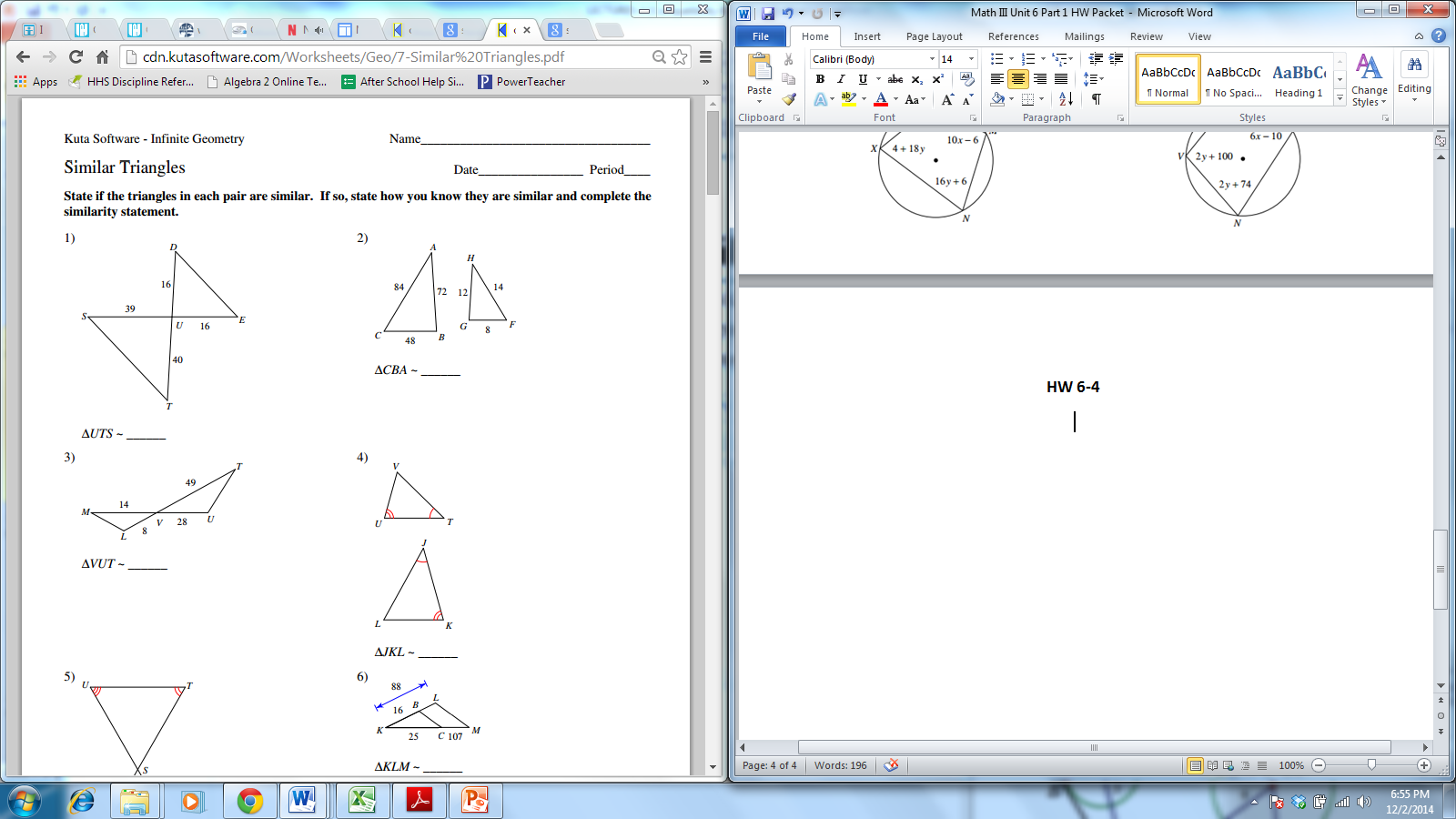


**HW 7-3**

Assume that lines that appear to be tangent are tangent. *O* is the center of each circle. Find the value of *x*.

1.  2. 3.



**HW 7-4**

