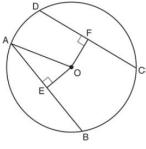


If  $AB = 2x^2 - 35 \& CD = -9x$ , determine the length of  $\overline{AB}$ .



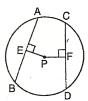
C

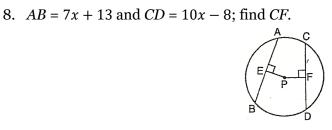
Exercises 5 and 6: Find the value of *x* AND the radius of  $\bigcirc Q$ .



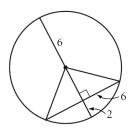
Exercises 7 and 8: In  $\bigcirc P$ ,  $\overline{PE} \cong \overline{PF}$ . Find the value of *x* AND the indicated segment length.

7. AE = x + 4 and CD = 3x - 2; find *CD*.

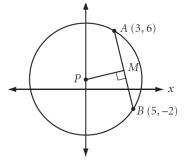




9. Explain what's wrong with this picture:



10. Find the coordinates of M and the slope of  $\overline{PM}$ .



11. The accompanying diagram shows a semicirculular arch over a street that has a radius of 14 feet. A banner is attached to the arch at points *A* and *B*, such that AE = EB = 5 feet. How many feet above the ground are these points of attachment for the banner?

