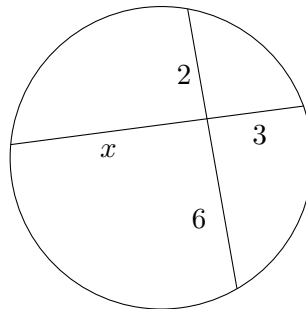


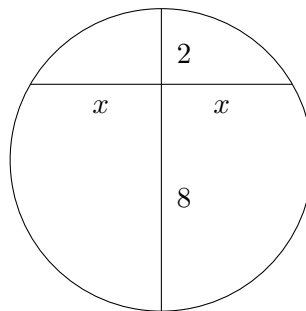
Intersecting Chord Theorem

1. Find the value of x in the diagram below.



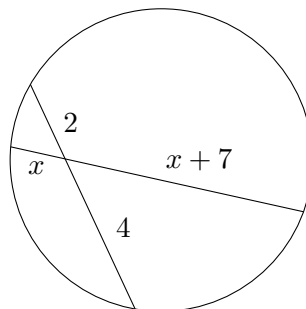
$$x = 4 \text{ (only)}$$

2. Find the value of x in the diagram below.



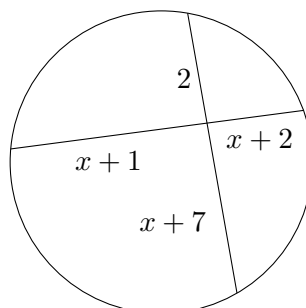
$$x = 4 \text{ (only)}$$

3. Find the value of x in the diagram below.



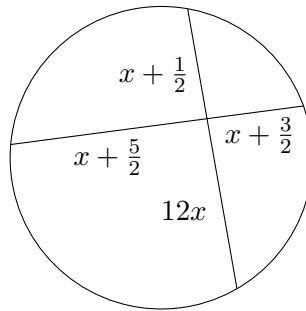
$$x = 1 \text{ (only)}$$

4. Find the value of x in the diagram below.



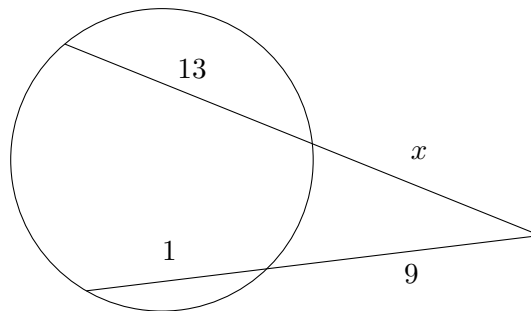
$$x = 3 \text{ (only)}$$

5. Find the value of x in the diagram below (HARD FACTORISATION! ELIMINATE FRACTIONS. BEST OF LUCK.).



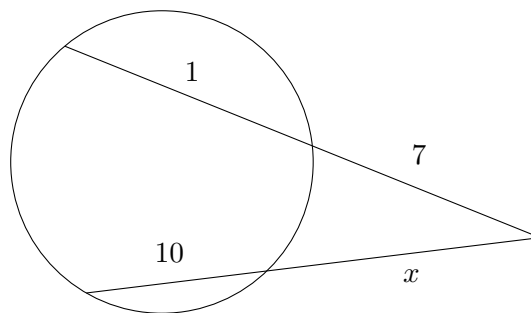
$$x = \frac{1}{2} \text{ (only)}$$

6. Find the value of x in the diagram below.



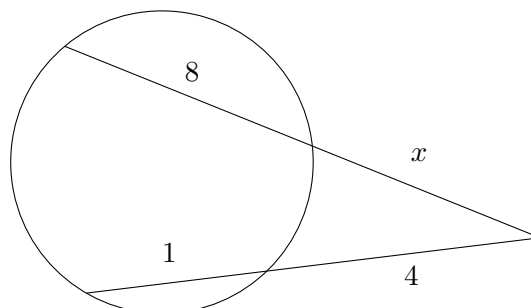
$$x = 5 \text{ (only)}$$

7. Find the value of x in the diagram below.



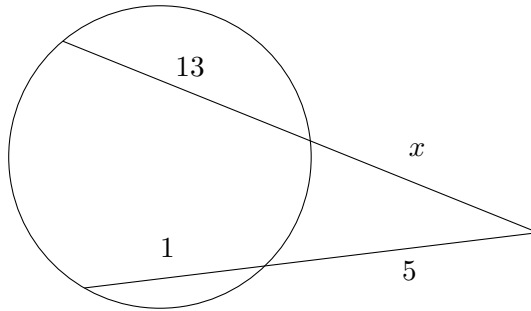
$$x = 4 \text{ (only)}$$

8. Find the value of x in the diagram below.



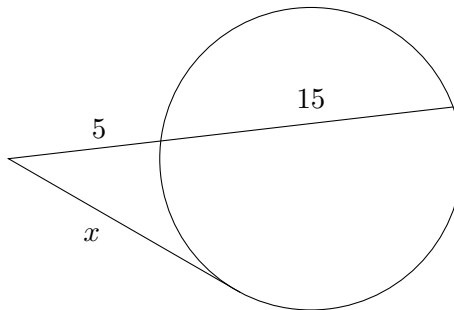
$x = 2$ (only)

9. Find the value of x in the diagram below.



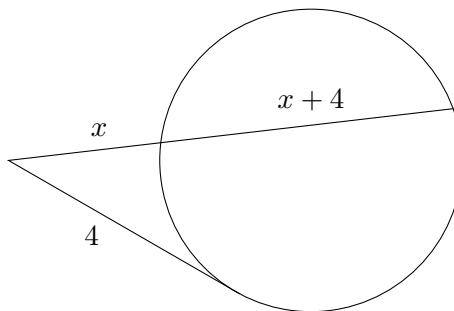
$x = 2$ (only)

10. Find the value of x in the diagram below.



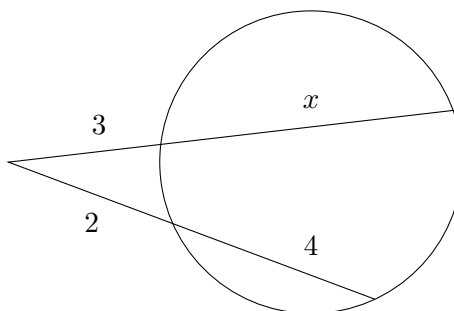
$x = 10$ (only)

11. Find the value of x in the diagram below.



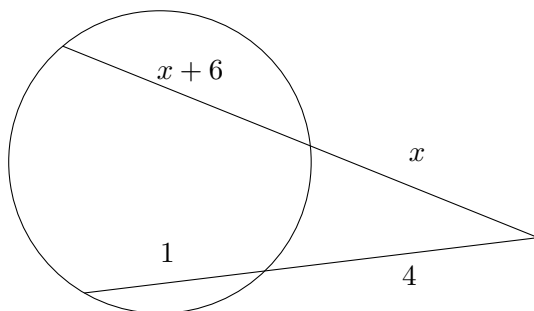
$x = 2$ (only)

12. Find the value of x in the diagram below.



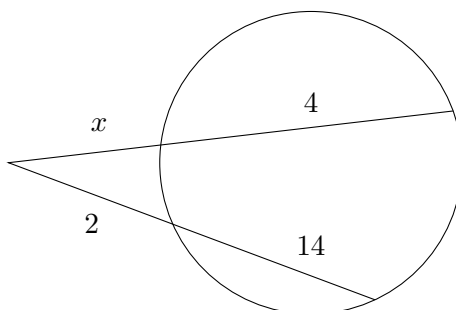
$x = 1$ (only)

13. Find the value of x in the diagram below.



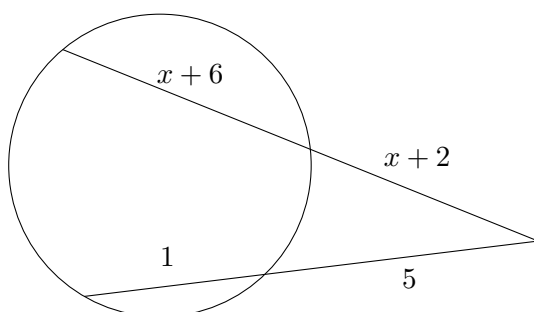
$x = 2$ (only)

14. Find the value of x in the diagram below.



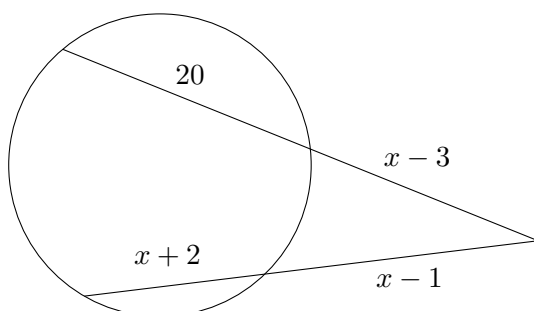
$x = 4$ (only)

15. Find the value of x in the diagram below.



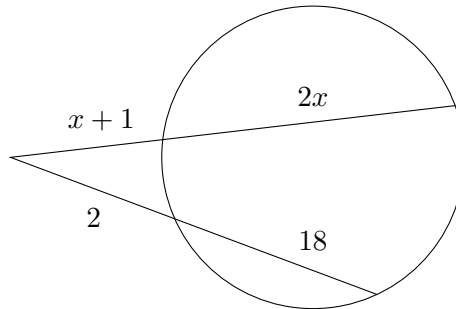
$x = 1$ (only)

16. Find the value of x in the diagram below.



$$x = 5 \text{ or } x = 10$$

17. Find the value of x in the diagram below.



$$x = 3 \text{ (only)}$$

18. The chords AB and CD of a circle meet at X inside the circle. $XA = 3$, $AB = 7$, $XC = 2$. Find CD .