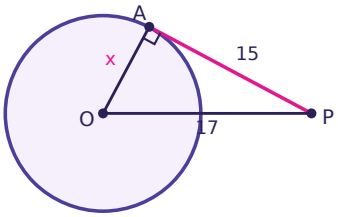
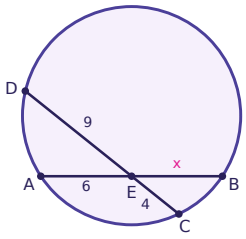
Task card 1 Tangents, Chords & Secant Segments

PA is tangent to circle O at A. Find x.



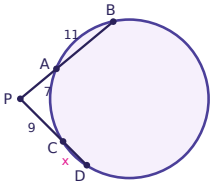
Task card 2 Tangents, Chords & Secant Segments

Chords AB and CD intersect at E. Find x.



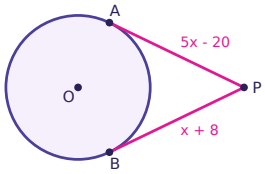
Task card 3 Tangents, Chords & Secant Segments

Secants PAB and PCD are drawn to the circle from P. Find x.



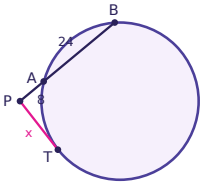
Task card 4 Tangents, Chords & Secant Segments

PA and PB are tangent to circle O. PA = 5x - 20 and PB = x + 8. Find x.



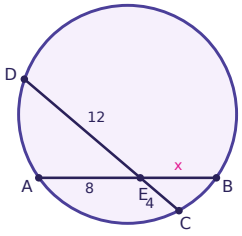
Task card 5 Tangents, Chords & Secant Segments

PT is tangent to the circle and PAB is a secant. Find x.



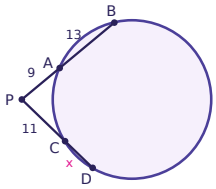
Task card 6 Tangents, Chords & Secant Segments

Chords AB and CD intersect at E. Find x.



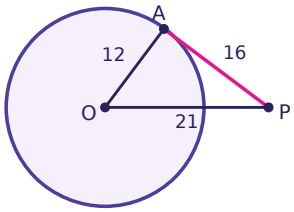
Task card 7 Tangents, Chords & Secant Segments

Secants PAB and PCD are drawn to the circle from P. Find x.



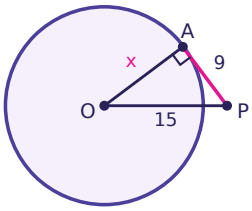
Task card 8 Tangents, Chords & Secant Segments

Is PA tangent to circle O? Answer yes or no.



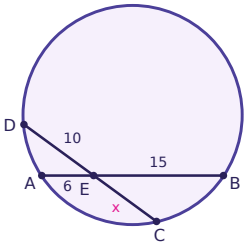
Task card 9 Tangents, Chords & Secant Segments

PA is tangent to circle O at A. Find x.



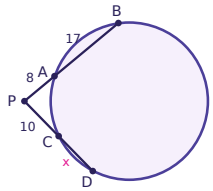
Task card 10 Tangents, Chords & Secant Segments

Chords AB and CD intersect at E. Find x.



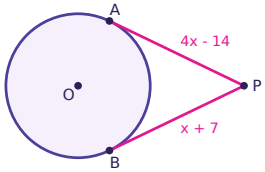
Task card 11 Tangents, Chords & Secant Segments

Secants PAB and PCD are drawn to the circle from P. Find x.



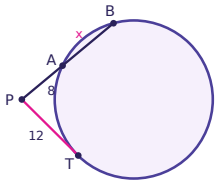
Task card 12 Tangents, Chords & Secant Segments

PA and PB are tangent to circle O. PA = 4x - 14 and PB = x + 7. Find PA.



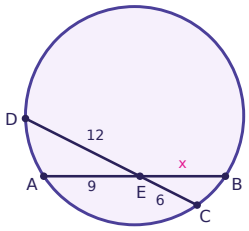
Task card 13 Tangents, Chords & Secant Segments

PT is tangent to the circle and PAB is a secant. Find x.



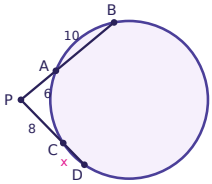
Task card 14 Tangents, Chords & Secant Segments

Chords AB and CD intersect at E. Find x.



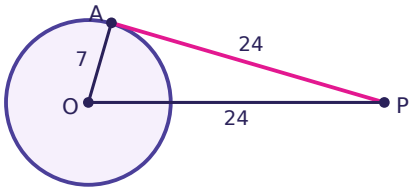
Task card 15 Tangents, Chords & Secant Segments

Secants PAB and PCD are drawn to the circle from P. Find x.



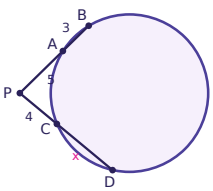
Task card 16 Tangents, Chords & Secant Segments

Is PA tangent to circle O? Answer yes or no.



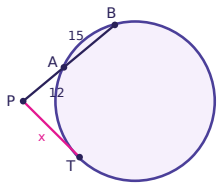
Task card 17 Tangents, Chords & Secant Segments

Secants PAB and PCD are drawn to the circle from P. Find x.



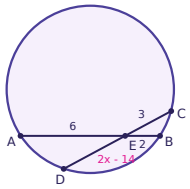
Task card 18 Tangents, Chords & Secant Segments

PT is tangent to the circle and PAB is a secant. Find x.



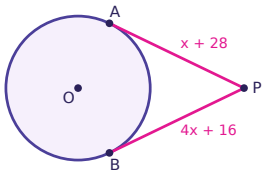
Task card 19 Tangents, Chords & Secant Segments

Chords AB and CD intersect at E. ED = 2x - 14. Find x.



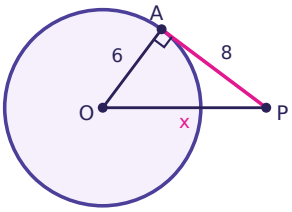
Task card 20 Tangents, Chords & Secant Segments

PA and PB are tangent to circle O. PA = x + 28 and PB = 4x + 16. Find PA.



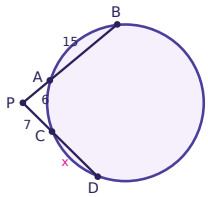
Task card 21 Tangents, Chords & Secant Segments

PA is tangent to circle O at A. Find x.



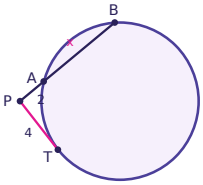
Task card 22 Tangents, Chords & Secant Segments

Secants PAB and PCD are drawn to the circle from P. Find x.



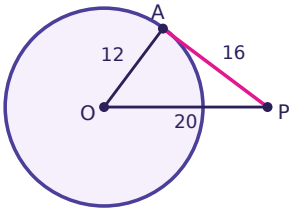
Task card 23 Tangents, Chords & Secant Segments

PT is tangent to the circle and PAB is a secant. Find x.



Task card 24 Tangents, Chords & Secant Segments

Is PA tangent to circle O? Answer yes or no.



Tangents, Chords & Secant Segments Task Cards

Recording sheet · Grade 10 · O is the center of each circle. Lines that look tangent are tangent. Find x.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Tangents, Chords & Secant Segments Task Cards: Answer Key

Grade 10 · Medium

The answers online

1. 8	**2.** 6	**3.** 5
4. 7	**5.** 16	**6.** 6
7. 7	**8.** no	**9.** 12
10. 9	**11.** 10	**12.** 14
13. 10	**14.** 8	**15.** 4
16. no	**17.** 6	**18.** 18
19. 9	**20.** 32	**21.** 10
22. 11	**23.** 6	**24.** yes