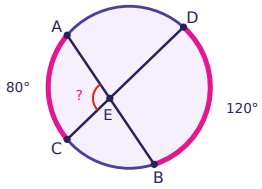
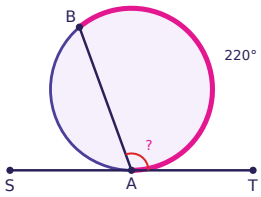
Task card 1 Angles Formed by Chords, Secants &...

Chords AB and CD intersect at E. arc AC = 80° and arc BD = 120°. Find m∠AEC.



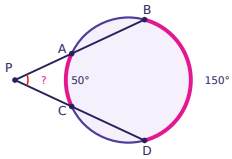
Task card 2 Angles Formed by Chords, Secants &...

Line ST is tangent to the circle at A. Arc AB (the colored arc) = 220°. Find m∠TAB.



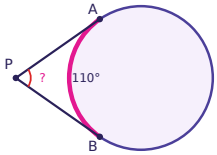
Task card 3 Angles Formed by Chords, Secants &...

Secants PAB and PCD meet at point P outside the circle. arc AC = 50° and arc BD = 150°. Find m∠P.



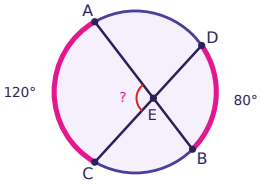
Task card 4 Angles Formed by Chords, Secants &...

PA and PB are tangent to the circle. Minor arc AB = 110°. Find m∠P.



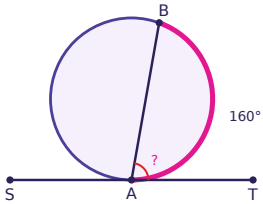
Task card 5 Angles Formed by Chords, Secants &...

Chords AB and CD intersect at E. arc AC = 120° and arc BD = 80°. Find m∠AEC.



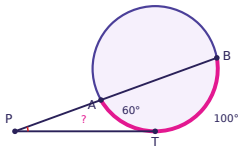
Task card 6 Angles Formed by Chords, Secants &...

Line ST is tangent to the circle at A. Arc AB (the colored arc) = 160°. Find m∠TAB.



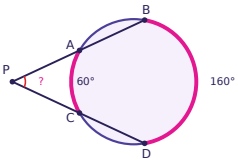
Task card 7 Angles Formed by Chords, Secants &...

PT is tangent to the circle at T, and PAB is a secant. arc TA = 60° and arc TB = 100°. Find m∠P.



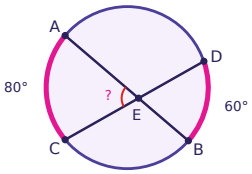
Task card 8 Angles Formed by Chords, Secants &...

Secants PAB and PCD meet at point P outside the circle. arc AC = 60° and arc BD = 160°. Find m∠P.



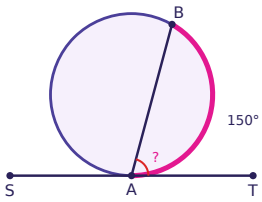
Task card 9 Angles Formed by Chords, Secants &...

Chords AB and CD intersect at E. arc AC = 80° and arc BD = 60°. Find m∠AEC.



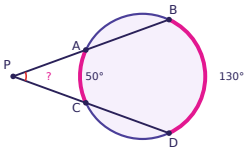
Task card 10 Angles Formed by Chords, Secants &...

Line ST is tangent to the circle at A. Arc AB (the colored arc) = 150°. Find m∠TAB.



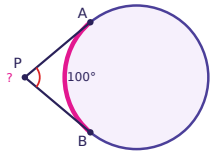
Task card 11 Angles Formed by Chords, Secants &...

Secants PAB and PCD meet at point P outside the circle. arc AC = 50° and arc BD = 130°. Find m∠P.



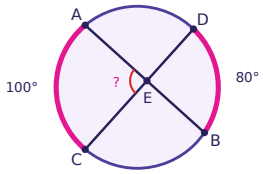
Task card 12 Angles Formed by Chords, Secants &...

PA and PB are tangent to the circle. Minor arc AB = 100°. Find m∠P.



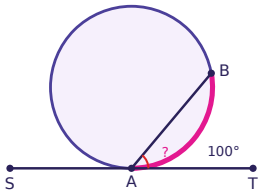
Task card 13 Angles Formed by Chords, Secants &...

Chords AB and CD intersect at E. arc AC = 100° and arc BD = 80°. Find m∠AEC.



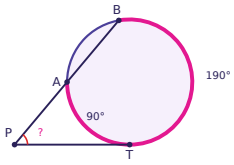
Task card 14 Angles Formed by Chords, Secants &...

Line ST is tangent to the circle at A. Arc AB (the colored arc) = 100°. Find m∠TAB.



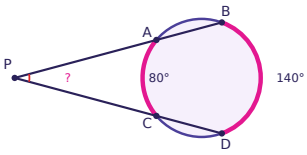
Task card 15 Angles Formed by Chords, Secants &...

PT is tangent to the circle at T, and PAB is a secant. arc TA = 90° and arc TB = 190°. Find m∠P.



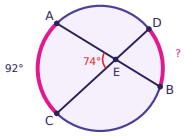
Task card 16 Angles Formed by Chords, Secants &...

Secants PAB and PCD meet at point P outside the circle. arc AC = 80° and arc BD = 140°. Find m∠P.



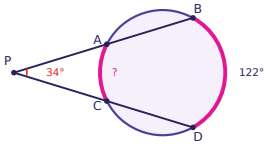
Task card 17 Angles Formed by Chords, Secants &...

Chords AB and CD intersect at E. m∠AEC = 74° and arc AC = 92°. Find the measure of arc BD.



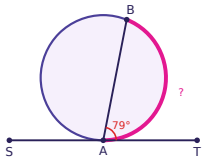
Task card 18 Angles Formed by Chords, Secants &...

Secants PAB and PCD meet at point P outside the circle. m∠P = 34° and arc BD = 122°. Find the measure of arc AC.



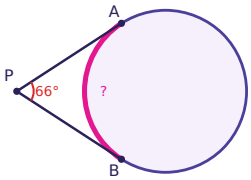
Task card 19 Angles Formed by Chords, Secants &...

Line ST is tangent to the circle at A. m∠TAB = 79°. Find the measure of arc AB (the colored arc).



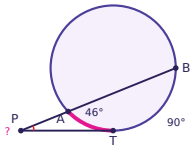
Task card 20 Angles Formed by Chords, Secants &...

PA and PB are tangent to the circle. m∠P = 66°. Find the measure of minor arc AB.



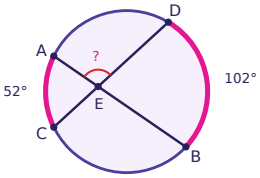
Task card 21 Angles Formed by Chords, Secants &...

PT is tangent to the circle at T, and PAB is a secant. arc TA = 46° and arc TB = 90°. Find m∠P.



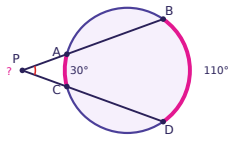
Task card 22 Angles Formed by Chords, Secants &...

Chords AB and CD intersect at E. arc AC = 52° and arc BD = 102°. Find m∠AED.



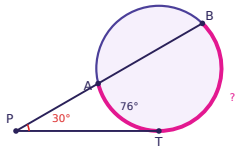
Task card 23 Angles Formed by Chords, Secants &...

Secants PAB and PCD meet at point P outside the circle. arc AC = 30° and arc BD = 110°. Find m∠P.



Task card 24 Angles Formed by Chords, Secants &...

PT is tangent to the circle at T, and PAB is a secant. m∠P = 30° and arc TA = 76°. Find the measure of arc TB.



Angles Formed by Chords, Secants & Tangents Task Cards

Recording sheet · Grade 10 · Lines that look tangent are tangent. The colored arcs are the arcs named in each question. Find each angle, arc or 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

Angles Formed by Chords, Secants & Tangents Task Cards: Answer Key

Grade 10 · Easy

The answers online

1. 100°	**2.** 110°	**3.** 50°
4. 70°	**5.** 100°	**6.** 80°
7. 20°	**8.** 50°	**9.** 70°
10. 75°	**11.** 40°	**12.** 80°
13. 90°	**14.** 50°	**15.** 50°
16. 30°	**17.** 56°	**18.** 54°
19. 158°	**20.** 114°	**21.** 22°
22. 103°	**23.** 40°	**24.** 136°