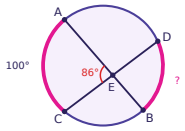
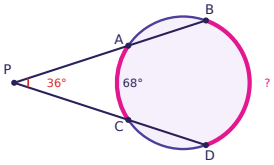
Angles Formed by Chords, Secants & Tangents · 1

Chords AB and CD intersect at E. m∠AEC = 86° and arc AC = 100°. Find the measure of arc BD.



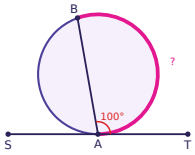
Angles Formed by Chords, Secants & Tangents · 2

Secants PAB and PCD meet at point P outside the circle. m∠P = 36° and arc AC = 68°. Find the measure of arc BD.



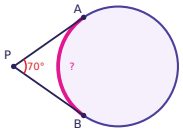
Angles Formed by Chords, Secants & Tangents · 3

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



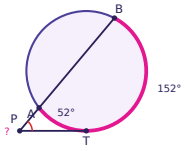
Angles Formed by Chords, Secants & Tangents · 4

PA and PB are tangent to the circle. m∠P = 70°. Find the measure of minor arc AB.



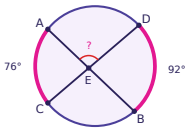
Angles Formed by Chords, Secants & Tangents · 5

PT is tangent to the circle at T, and PAB is a secant. arc TA = 52° and arc TB = 152°. Find m∠P.



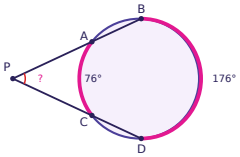
Angles Formed by Chords, Secants & Tangents · 6

Chords AB and CD intersect at E. arc AC = 76° and arc BD = 92°. Find m∠AED.



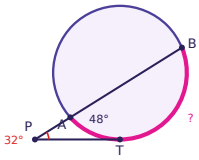
Angles Formed by Chords, Secants & Tangents · 7

Secants PAB and PCD meet at point P outside the circle. arc AC = 76° and arc BD = 176°. Find m∠P.



Angles Formed by Chords, Secants & Tangents · 8

PT is tangent to the circle at T, and PAB is a secant. m∠P = 32° and arc TA = 48°. Find the measure of arc TB.



Angles Formed by Chords, Secants & Tangents · 2

ANSWER

140°

Angles Formed by Chords, Secants & Tangents · 1

ANSWER

72°

Angles Formed by Chords, Secants & Tangents · 4

ANSWER

110°

Angles Formed by Chords, Secants & Tangents · 3

ANSWER

200°

Angles Formed by Chords, Secants & Tangents · 6

ANSWER

96°

Angles Formed by Chords, Secants & Tangents · 5

ANSWER

50°

Angles Formed by Chords, Secants & Tangents · 8

ANSWER

112°

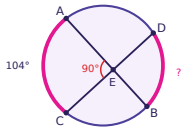
Angles Formed by Chords, Secants & Tangents · 7

ANSWER

50°

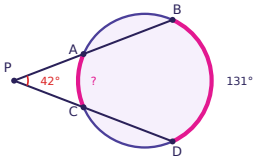
Angles Formed by Chords, Secants & Tangents · 9

Chords AB and CD intersect at E. m∠AEC = 90° and arc AC = 104°. Find the measure of arc BD.



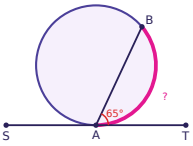
Angles Formed by Chords, Secants & Tangents · 10

Secants PAB and PCD meet at point P outside the circle. m∠P = 42° and arc BD = 131°. Find the measure of arc AC.



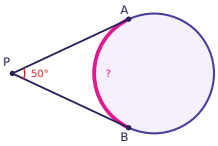
Angles Formed by Chords, Secants & Tangents · 11

Line ST is tangent to the circle at A. m∠TAB = 65°. Find the measure of arc AB (the colored arc).



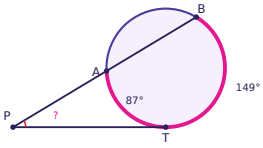
Angles Formed by Chords, Secants & Tangents · 12

PA and PB are tangent to the circle. m∠P = 50°. Find the measure of minor arc AB.



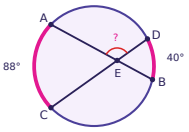
Angles Formed by Chords, Secants & Tangents · 13

PT is tangent to the circle at T, and PAB is a secant. arc TA = 87° and arc TB = 149°. Find m∠P.



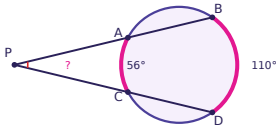
Angles Formed by Chords, Secants & Tangents · 14

Chords AB and CD intersect at E. arc AC = 88° and arc BD = 40°. Find m∠AED.



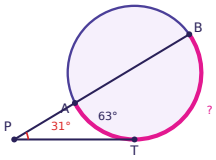
Angles Formed by Chords, Secants & Tangents · 15

Secants PAB and PCD meet at point P outside the circle. arc AC = 56° and arc BD = 110°. Find m∠P.



Angles Formed by Chords, Secants & Tangents · 16

PT is tangent to the circle at T, and PAB is a secant. m∠P = 31° and arc TA = 63°. Find the measure of arc TB.



Angles Formed by Chords, Secants & Tangents · 10

ANSWER

47°

Angles Formed by Chords, Secants & Tangents · 9

ANSWER

76°

Angles Formed by Chords, Secants & Tangents · 12

ANSWER

130°

Angles Formed by Chords, Secants & Tangents · 11

ANSWER

130°

Angles Formed by Chords, Secants & Tangents · 14

ANSWER

116°

Angles Formed by Chords, Secants & Tangents · 13

ANSWER

31°

Angles Formed by Chords, Secants & Tangents · 16

ANSWER

125°

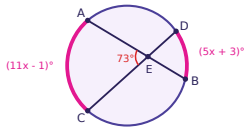
Angles Formed by Chords, Secants & Tangents · 15

ANSWER

27°

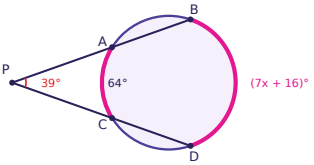
Angles Formed by Chords, Secants & Tangents · 17

Chords AB and CD intersect at E. arc AC = (11x - 1)°, arc BD = (5x + 3)° and m∠AEC = 73°. Find x.



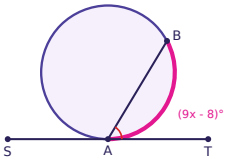
Angles Formed by Chords, Secants & Tangents · 18

Secants PAB and PCD meet at point P outside the circle. arc BD = (7x + 16)°, arc AC = 64° and m∠P = 39°. Find x.



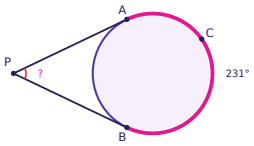
Angles Formed by Chords, Secants & Tangents · 19

Line ST is tangent to the circle at A. Arc AB (the colored arc) = (9x - 8)° and m∠TAB = (4x + 3)°. Find x.



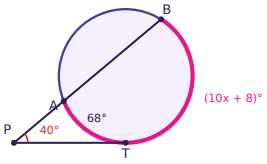
Angles Formed by Chords, Secants & Tangents · 20

PA and PB are tangent to the circle. Major arc ACB = 231°. Find m∠P.



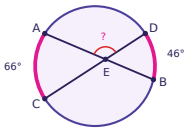
Angles Formed by Chords, Secants & Tangents · 21

PT is tangent to the circle at T, and PAB is a secant. arc TB = (10x + 8)°, arc TA = 68° and m∠P = 40°. Find x.



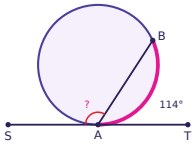
Angles Formed by Chords, Secants & Tangents · 22

Chords AB and CD intersect at E. arc AC = 66° and arc BD = 46°. Find m∠AED.



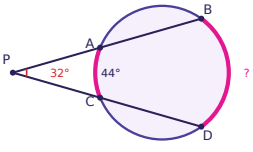
Angles Formed by Chords, Secants & Tangents · 23

Line ST is tangent to the circle at A. Arc AB (the colored arc) = 114°. Find m∠SAB.



Angles Formed by Chords, Secants & Tangents · 24

Secants PAB and PCD meet at point P outside the circle. m∠P = 32° and arc AC = 44°. Find the measure of arc BD.



Angles Formed by Chords, Secants & Tangents · 18

ANSWER

18

Angles Formed by Chords, Secants & Tangents · 17

ANSWER

9

Angles Formed by Chords, Secants & Tangents · 20

ANSWER

51°

Angles Formed by Chords, Secants & Tangents · 19

ANSWER

14

Angles Formed by Chords, Secants & Tangents · 22

ANSWER

124°

Angles Formed by Chords, Secants & Tangents · 21

ANSWER

14

Angles Formed by Chords, Secants & Tangents · 24

ANSWER

108°

Angles Formed by Chords, Secants & Tangents · 23

ANSWER

123°