

1. What is the sum of all interior angles of a quadrilateral?
A. 180° B. 270° C. 360° D. 450°
2. In a parallelogram, opposite angles are:
A. Congruent B. Supplementary C. Acute D. Right angles
3. Which statement about an isosceles trapezoid is true?
A. All sides are equal in length C. Opposite angles are equal in measure
B. The non-parallel sides are equal in length D. The diagonals are perpendicular
4. A kite is a quadrilateral that has:
A. Two pairs of parallel sides C. Four right angles
B. Exactly two pairs of congruent sides D. Pairs of adjacent sides are congruent
5. In a right triangle, the $\tan A$ is equal to:
A. $\frac{\sin A}{\cos A}$ B. $\frac{\cos A}{\sin A}$ C. $\sin A \times \cos A$ D. $\sin A + \cos A$
6. If the angle of elevation is 30° , what is the angle of depression?
A. 30° B. 45° C. 60° D. 90°
7. Which trigonometric ratio represents the opposite side over the hypotenuse?
A. sine B. cosine C. tangent D. secant
8. What is the measure of each angle in an isosceles trapezoid if one base angle is 60° ?
A. 60° B. 90° C. 120° D. 150°
9. The diagonals of a kite are:
A. Perpendicular B. Equal in length C. Both D. Neither
10. In trigonometry, the adjacent side is always:
A. The side opposite the angle C. The side beside the angle
B. The hypotenuse D. The longest side of the triangle
11. Which trigonometric ratio represents the adjacent side over the hypotenuse?
A. sine B. cosine C. cotangent D. cosecant
12. Opposite sides of a parallelogram are:
A. Always parallel and congruent C. Always equal in length
B. Always perpendicular D. Always congruent
13. If $\sin(A) = 0.6$, what is $\cos(A)$?
A. 0.5 B. 0.6 C. 0.7 D. 0.8