

Quiz: Truth-Values - and, or, if...then (implies), if and only if

1. If the given sentence is true, "1 is odd and  $3 - 2 = \underline{\hspace{1cm}}$ .", which number could be used to fill the blank?
  
2. Determine the truth-value of the statement.  
"1 + 4 = 5 or  $5 - 4 = 9$ ."
  
3. Determine the truth-value of the statement.  
"All even numbers are multiples of 3 if and only sum of all angles of any quadrilateral is  $180^\circ$ ."?
  
4. "A triangle has four vertexes."  
What is the truth-value of the negation of this sentence?
  
5. Determine the truth-value of the statement.  
"12 is even and 15 is odd."
  
6. Determine the truth-value of the statement.  
"Horses bark or dogs bark."
  
7. Determine the truth-value of the statement.  
"Triangle has one angle measures  $90^\circ$  or all squares are trapezoid."
  
8. Determine the truth-value of the statement.  
"If rectangle is four sided polygon, then a circle is triangle."
  
9. Determine the truth-value of the statement.  
"Multiple of 10 has 0 at unit place and 10 is even."
  
10. "All points on a circle have equal distance from its center."  
What is the truth-value of the negation of this sentence?

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%