

Quiz: Truth-Values of Compound Sentences

1. Let p represent "1 is odd." and q represent " $3 - 2 = -1$." What is the truth-value of p and q?

2. Determine the truth-value of the statement.
"9 is square of 3 or $3 - 8 = -5$."

3. Determine the truth-value of the statement.
"If all even numbers are multiples of 3 then sum of all angles of any quadrilateral is 180° or $9 - 1 = 8$."

4. "A triangle has four vertexes or rectangle has 4 vertexes"
What is the truth-value of the negation of this sentence?

5. Determine the truth-value of the statement.
"If $(4)(-2) = 7$ and $(-2)(4) = 7$, then $(4)(-2) = (-2)(4)$."

6. Let p represent "Horses bark", q represent "Dogs bark." and r represent "Cats meow." What is the truth-value of the "If p and q, then r"?

7. Determine the truth-value of the sentence. "Square has sum of all interior angles measures 180° or rectangle is four sided polygon."

8. Determine the truth-value of the statement. "If 3 is even or 5 is odd, then a circle is triangle."

9. Determine the truth-value of the statement.
"Multiple of 5 has 0 at unit place and 10 is even."

10. "All points on a circle have equal distance from its center or $6 + (-9) = -3$ " 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%