

Name _____

Math 162 Online Fall Term 1

Date _____

Unit 2 Quiz

Decide whether each is a statement or not a statement

1. February 2, 2009 was a Monday _____
2. The ZIP code for Oscar, LA, is 70762 _____
3. Listen , my children, and shall hear of the midnight ride of Paul Revere _____
4. $5 + 9 \neq 14$ and $4 - 2 = 12$ _____
5. $5 + 9 \neq 12$ or $4 - 2 = 5$ _____
6. Some Number are Positive _____

Let p represent the Statement "She has green eyes" and let q represent the statement "He is 60 years old." Translate each symbolic compound statement into words.

7. $\sim p$ _____
8. $p \wedge q$ _____
9. $\sim p \vee q$ _____
10. $\sim p \vee \sim q$ _____
11. $\sim (\sim p \wedge q)$ _____
12. $\sim q$ _____
13. $p \vee q$ _____
14. $p \wedge \sim q$ _____
15. $\sim p \wedge \sim q$ _____
16. $\sim (p \vee \sim q)$ _____

Use the concepts introduced in this chapter to answer Problems 17-20

17. $(p \wedge r) \vee \sim q$ _____
18. $q \vee \sim r) \wedge p$ _____
19. $p \wedge (q \vee r)$ _____
20. $(\sim p \wedge q) q \vee \sim r$ _____