1-5 B Types of Angles

_____ 1. If ∠A and ∠B are a linear pair with ∠A = n + 40
and ∠B = n + 60, what is the measurement of ∠B?

_____ 2. If ∠A and ∠B are complementary angles with ∠A = 4n + 12
and ∠B = 6n + 8, what is the measurement of ∠B?

_____ 3. If ∠A and ∠B are vertical angles with ∠A = 3n + 60
and ∠B = 7n + 20, what is the measurement of ∠B?

_____ 4. What are the measures of two supplementary angles if
the difference of their measures is 8°?
A. 39, 51　　　　B. 76, 84　　　　C. 86, 94　　　　D. 41, 49

_____ 5. If ∠A and ∠B are vertical angles with ∠A = n + 60
and ∠B = 2n + 10, what is the measurement of ∠A?
A. 110　　　　B. 80　　　　C. 20　　　　D. None of the above

2-1 Converse, Inverse, and Contrapositive

_____ 1. What is the converse of the following statement?　_____
If Joe goes fishing, then he needs bait.

A. If he needs bait, then Joe goes fishing.
B. If Joe does not go fishing, then he does not need bait.
C. If he does not need bait, then Joe does not go fishing.
D. If Joe goes fishing, then he does not need bait.

_____ 2. Consider the statement "If you are nice, you have a lot of friends."
"If you are not nice, you don't have a lot of friends" is the ____ of above.
A. Converse　　　　B . Inverse　　　　C. Contrapositive　　　D. Sublimation

_____ 3. Consider the statement "If you are nice, you have a lot of friends."
"If you don't have a lot of friends, then you are not nice" is the ____ of above.
A. Converse　　　　B . Inverse　　　　C. Contrapositive　　　D. Sublimation

_____ 4. The contrapositive of "if you have a dog, you like cats" is
"if you don't like cats, you love dogs."
A. True　　　　B. False

_____ 5. Statement: *If lines are skew, then they are not coplanar.*
What is the contrapositive of the statement?

A. If lines are not coplanar, then they are skew.
B. If lines are not skew, then they are coplanar.
C. If lines are coplanar, then they are not skew.
D. If lines are skew, then they are coplanar.