Key – Worksheet 2.3A

1) Your baseball team will win.
2) Callie will be promoted
3) Kendra won.
4) The result is an integer.
5) The result is a smaller number.
6) The result is another one of the integer’s factors.
7) If Moose is hungry when he goes to the pizza shop, then he goes through a pitcher of soda.
8) If you mail the payment by noon, then you won’t be charged a late fee.
9) If Estelle takes her broker’s advice, she will earn 50% on her investment by next year.
10) If a triangle has two angles of 60°, then it is also equilateral.
11) Law of Syllogism
12) Law of Detachment
13) Neither

Worksheet 2.3C

1) Dr. Klein will operate with precision today; Law of Detachment
2) If we don’t make any stops, then we should be in time to see the kickoff; Law of Syllogism
3) If a player receives two technical fouls in one game, then the player has to sit out the following game; Law of Syllogism

4) The police will not hold the accused suspect; Law of Detachment

5) There is significant danger to the firefighters; Law of Detachment

6) If the newspaper does not receive the order for the advertisement soon enough, then the store will lose money; Law of Syllogism.

7) If the company contributes $20,000 to the charity, then it will go into a lower tax bracket; Law of Syllogism

8) You should set the parking brake; Law of Detachment

9) The result is a perfect square; Law of Detachment

10) If there is a large, rapid decrease in air temperature, then the ice on the lake may not be safe to walk on for up to 24 hours; Law of Syllogism

11) The ball will float in water; Law of Detachment

12) The car will not be able to stop in time to keep from hitting the other vehicle; Law of Detachment.

**Grading Scale**

0 incorrect = 10
1-2 incorrect = 9
3-5 incorrect = 8
6-7 incorrect = 7
8-10 incorrect = 6
11-12 incorrect = 5