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FOOTBALL/GAMES

2004B

3. (A) At Jenny's fourth practice she made $\frac{1}{2}(48) = 24$ free throws. At her third practice she made 12, at her second practice she made 6, and at her first practice she made 3.

2006B

3. (A) Let c and p represent the number of points scored by the Cougars and the Panthers, respectively. The two teams scored a total of 34 points, so c+p=34. The Cougars won by 14 points, so c-p=14. The solution is c=24 and p=10, so the Panthers scored 10 points.

2012B

4. Answer (C): Ray AB is common to both angles, so the degree measure of $\angle CBD$ is either 24 + 20 = 44 or 24 - 20 = 4. The smallest possible degree measure is 4.

2013A 4. Answer (C): The softball team could only have scored twice as many runs as their opponent when they scored an even number of runs. In those games their opponents scored

$$\frac{2}{2} + \frac{4}{2} + \frac{6}{2} + \frac{8}{2} + \frac{10}{2} = 15$$
 runs.

In the games the softball team lost, their opponents scored

$$(1+1) + (3+1) + (5+1) + (7+1) + (9+1) = 30$$
 runs.

The total number of runs scored by their opponents was 15 + 30 = 45 runs.