Unit 6: Geometry Lesson 6.2

Game On!

2 1. The mean of a normal set of data is –5.4 and the standard deviation is 22.5. Sketch a normal curve that represents this data.

(5)   2.   The Edmonton Rush is one of nine teams that play in the National Lacrosse League. The
            weights of the 2013 Edmonton Rush players are shown.

Player Weights of 2013 Edmonton Rush (lbs)				
160	170	170	175	180
185	188	190	190	190
194	195	200	200	200
205	205	210	210	210
210	215	245		

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a. Explain why this data is close to being normally distributed.

b. There were 218 players in the National Lacrosse League in 2013. Assuming the mean and standard deviation of the league are same as the mean and standard deviation of the Edmonton Rush, predict the number of players that weighed over 231 lbs.

c. Below what weight should there be approximately 35 National Lacrosse League players?

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You have completed *Lesson 6.2 Game On!*. Please return to the *Module* and continue your training with *Lesson 6.3*.