

- (a) Find the mean and the standard deviation of the 49ers' scores for the 2000 season. Round your answers to one decimal place.
- (b) Compare your answers with the mean and standard deviation for the Tennessee Titans' 2000 season, which you found earlier. Which team had the higher mean score? Which team had the larger standard deviation?
- (c) Which offense was more consistent in its scoring? Explain.
5. Display 1.51 lists the all-time top 20 money making American movies, as of January 13, 2005. What is the mean dollar amount for these 20 movies? How many of these movies differ from the mean dollar amount by less than one standard deviation (larger or smaller)?

All-Time Top Money Making American Movies ⁴ (Amounts are in millions of dollars.)		
Rank	Movie (date)	Amount
1.	Titanic (1997)	600.8
2.	Star Wars (1977)	460.9
3.	Shrek 2 (2004)	436.5
4.	E.T. : The Extra Terrestrial (1982)	434.9
5.	Star Wars Episode I: The Phantom Menace (1999)	431.1
6.	Spider-Man (2002)	403.7
7.	LOTR: The Return of the King (2003)	377.0
8.	Spider-Man 2 (2004)	373.4
9.	The Passion of the Christ (2004)	370.3
10.	Jurassic Park (1993)	357.1
11.	The Lord of the Rings: The Two Towers (2002)	340.5
12.	Finding Nemo (2003)	339.7
13.	Forrest Gump (1994)	329.7
14.	Harry Potter and the Sorcerer's Stone (2001)	317.6
15.	The Lord of the Rings: The Fellowship of the Ring (2001)	313.8
16.	The Lion King (1994)	312.9
17.	Star Wars Episode II: Attack of the Clones (2002)	310.7
18.	Return of the Jedi (1983)	309.1
19.	Independence Day (1996)	306.1
20.	Pirates of the Caribbean (2003)	305.4

Display 1.51

⁴ From *Top Grossing Films: U. S.*, by The Movie Times. See www.the-movie-times.com.