

Online Homework Package Created by : Elsit and Satya Mandal		
Course Id :Math 105	Topics in Mathematics	Semester : Summer2017
Instructor :Satya Mandal Line No : 84895		
Homework No: 6	Total Points :40	Due Date:(YYYY-MM-DD) 2017-07-27

Question-1	<p>The following is the weight (in ounces), at birth, of 30 babies born in Lawrence Memorial Hospital in May 2000.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>94</td><td>105</td><td>124</td><td>110</td><td>119</td><td>137</td><td>96</td><td>110</td><td>120</td><td>115</td> </tr> <tr> <td>104</td><td>135</td><td>123</td><td>129</td><td>72</td><td>121</td><td>117</td><td>96</td><td>107</td><td>80</td> </tr> <tr> <td>96</td><td>123</td><td>124</td><td>124</td><td>134</td><td>78</td><td>138</td><td>106</td><td>130</td><td>97</td> </tr> </tbody> </table> <p>Compute the variance of the weight, at birth, of the babies.</p>	94	105	124	110	119	137	96	110	120	115	104	135	123	129	72	121	117	96	107	80	96	123	124	124	134	78	138	106	130	97
94	105	124	110	119	137	96	110	120	115																						
104	135	123	129	72	121	117	96	107	80																						
96	123	124	124	134	78	138	106	130	97																						

Answer Question-1	<p>This is a Numerical-Answer Type Question</p> <p>Variance = <input type="text"/></p>
Points	5.00

Question-2	Compute the standard deviation of the weight, at birth, of the babies.
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Answer Question-2	<p>This is a Numerical-Answer Type Question</p> <p>Standard deviation = <input type="text"/></p>
Points	5.00

Question-3	<p>Following is a frequency table for the hourly wages (paid only in whole dollars) of 99 employees in some industry.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Hourly Wages (in whole dollars)</th> <th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th><th>17</th><th>18</th><th>19</th> </tr> </thead> <tbody> <tr> <td>Frequency</td> <td>11</td><td>4</td><td>10</td><td>4</td><td>9</td><td>8</td><td>6</td><td>5</td><td>17</td><td>19</td><td>3</td><td>1</td><td>2</td> </tr> </tbody> </table> <p>Compute the variance of the hourly wage.</p>	Hourly Wages (in whole dollars)	7	8	9	10	11	12	13	14	15	16	17	18	19	Frequency	11	4	10	4	9	8	6	5	17	19	3	1	2
Hourly Wages (in whole dollars)	7	8	9	10	11	12	13	14	15	16	17	18	19																
Frequency	11	4	10	4	9	8	6	5	17	19	3	1	2																

Answer Question-3	<p>This is a Numerical-Answer Type Question</p> <p>Variance = <input type="text"/></p>
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Points	5.00
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Question-4 Compute the standard deviation of the hourly wage.

Answer Question-4	This is a Numerical-Answer Type Question
	Standard deviation =

Points	5.00
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Question-5 The following is the frequency table on the number of typos in a sample of 30 books published by a publisher.

Number of Typos	156	158	159	160	162
Frequency	6	4	5	6	9

Compute the variance of the number of typos in a book.

Answer Question-5	This is a Numerical-Answer Type Question
	Variance =

Points	5.00
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Question-6 Compute the standard deviation of the number of typos in a book.

Answer Question-6	This is a Numerical-Answer Type Question
	Standard deviation =

Points	5.00
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Question-7 The following are the lengths (in inches), at birth, of 14 babies born in Lawrence Memorial Hospital in May 2000.

Length	17	18.5	19	20	21.5
Frequency	2	3	4	3	2

Compute the variance of the length, at birth, of these babies.

Answer	This is a Numerical-Answer Type Question
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Question-7	Variance =
Points	5.00

Question-8 Compute the standard deviation of the length, at birth, of these babies.

Answer Question-8	This is a Numerical-Answer Type Question Standard deviation =
Points	5.00

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