

Name \_\_\_\_\_

## Learning Significant Figures

Round numbers to a specified number of significant figures.

1) 3.876543 2 significant figures: <u>3.9</u> 3 significant figures: <u>3.88</u> 4 significant figures: <u>3.877</u> 5 significant figures: <u>3.8765</u>	2) 456.789 2 significant figures: <u>460</u> 3 significant figures: <u>457</u> 4 significant figures: <u>456.8</u> 5 significant figures: <u>456.79</u>
3) 12.34567 2 significant figures: <u>12</u> 3 significant figures: <u>12.3</u> 4 significant figures: <u>12.35</u> 5 significant figures: <u>12.346</u>	4) 9876.543 2 significant figures: <u>9900</u> 3 significant figures: <u>9880</u> 4 significant figures: <u>9877</u> 5 significant figures: <u>9876.5</u>
5) 789.1234 2 significant figures: <u>790</u> 3 significant figures: <u>789</u> 4 significant figures: <u>789.1</u> 5 significant figures: <u>789.12</u>	6) 345.6789 2 significant figures: <u>350</u> 3 significant figures: <u>346</u> 4 significant figures: <u>345.7</u> 5 significant figures: <u>345.68</u>
7) 6.78901 2 significant figures: <u>6.8</u> 3 significant figures: <u>6.79</u> 4 significant figures: <u>6.789</u> 5 significant figures: <u>6.7890</u>	8) 123.4567 2 significant figures: <u>120</u> 3 significant figures: <u>123</u> 4 significant figures: <u>123.5</u> 5 significant figures: <u>123.46</u>