

Name : \_\_\_\_\_

## Inverse Variation

Sheet 3

Round your answer to two decimal places.

- 1) A group of 20 students intend to contribute \$10 each to buy a gift for their teacher. How much will each student contribute, if 5 more pitch in?

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- 2) Liam was on a road trip with his family to Niagara Falls. He drove at a speed of 80 miles per hour for 4 hours to cover a certain distance. How long would it take him to drive the same distance, if he drove at a speed of 100 miles per hour?

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- 3) The welfare committee of a school building has 18 workers. If 18 workers can complete the project in 3 days, how many workers are needed to finish the project in 2 days?

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- 4) Ursula submits a 300-line manuscript. How many pages will it take to type if each page contains 40 lines? How many pages will it take to type if each page contains 24 lines?

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- 5) Gabriel drew a picture of a wheel with 6 spokes. The angle between the adjacent pair of spokes was  $60^\circ$ . Find the measure of the angles for a wheel drawn with 10 spokes.

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