

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?

\_\_\_\_\_

- 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?

\_\_\_\_\_

- 3) The welfare committee of a school building can complete a project in 3 days. How long will it take 18 workers to finish the project?

\_\_\_\_\_

- 4) Ursula submits a 300-line worksheet. How many lines will she have to submit if each page contains 40 lines? How many pages will she have to submit if each page comprises 24 lines?

\_\_\_\_\_

- 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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**Inverse Variation**

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?

**\$8**

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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 160 miles per hour?

**5 hours**

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- 3) The welfare committee of a school building can complete a project in 3 days. How long will it take if 18 workers can complete the project?

**30 work**

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- 4) Ursula submits a 300-line worksheet. How many pages will she need if each page contains 40 lines? How many pages will she need if each page contains 24 lines?

**500 pages**

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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.

**$36^\circ$**

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