

Name : _____

Direct and Inverse Variation

Sheet 1

Round your answer to two decimal places.

- 1) An air force base with 270 soldiers has food stock that would last 35 days. If there are 315 soldiers in the base, how many days will the stock last?

- 2) A bus travels at a speed of 40 miles per hour and reaches Hooville in 40 minutes. If a cab takes 35 minutes to reach Hooville, how much will he be charged?

- 3) Steve hires a company to paint his house. The company charges \$1200 for the job. If he retains the company for another job, how much will he be charged, if he retains the company for another job?

- 4) Nicholas types out 300 pages of a memoir. How many pages would the manuscript be if he typed 400 pages?

- 5) A wedding photographer charges \$297 for 3 hours of coverage. How much will a client have to pay for a 7-hour package?

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Direct and Inverse Variation

Round your answer to two decimal places.

- 1) An air force base with 270 soldiers has food stock that would last 35 days. If there are 315 soldiers in the base, how many days will the stock last?

30 days

- 2) A bus travels at a speed of 40 miles per hour and reaches Hooville in 40 minutes. If a cab takes 35 minutes to reach _____, how far is it from _____ to Hooville?

45.71 miles per hour

- 3) Steve hires a company to paint his house. The company charges \$1200 for 1000 square feet of wall space. How much will he be charged, if he retains 1200 square feet of wall space?

\$203.4

- 4) Nicholas types out 300 pages of a memoir in 4 hours. How many pages would the manuscript be if he typed for 7 hours?

768 pages

- 5) A wedding photographer charges \$297 for 3 hours of coverage. How much will a client have to pay for a 7-hour package?

\$693

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