DIGITAL



Set 1

1. Is this an inverse variation?

х	у
5	12
15	4
11	6

no

3. Write an equation for the inverse variation.

Х	у
2	28
-7	-8
4	14

xy = 56

Set 2

1. The time needed to paint a fence varies inversely as the number of people painting. If three people paint the fence in 10 hours, how long would it take six people to paint the fence?

5 hrs

2. The frequency of a radio signal varies inversely as the signal's wavelength. A 1,200 kilohertz signal has a wavelength of 250 meters. What is the frequency of a signal with a wavelength of 400 meters?

750 kHz

- 3. For a constant voltage, the current through a circuit varies inversely as the resistance. © 2003 BestQuest The current is 18 amperes when the resistance is 12 ohms. What is the current when
 - the resistance is 27 ohms?
- 8 amps

monotype composition

Module 16 Lesson 3

2. Does y vary inversely as x?

х	у
2	28
-7	-8
4	14

yes

 \oplus

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