

Copy and complete the statement. Round to the nearest hundredth, if necessary.

(Section 3.6)

3.
$$29 \text{ kg} \approx 16$$

2.
$$3 \text{ qt} \approx L$$

Tell whether x and y show direct variation. Explain your reasoning. (Section 3.7)

-		
5.	X	У
	-3	0
	-1	1
	1	2
	2	2

6.
$$\begin{array}{c|cccc} x & y \\ -1 & -2 \\ \hline 0 & 0 \\ \hline 1 & 2 \\ \hline 2 & 4 \\ \end{array}$$

7.
$$y - 9 = 6 + x$$

8.
$$x = \frac{5}{8}y$$

Tell whether x and y show direct variation, inverse variation, or neither. Explain your reasoning. (Section 3.8)

9.
$$y = \frac{12}{x}$$

۱.	X	У
	-3	-2
	-1	0
	1	0
	3	2

10.
$$y - x = 9$$

13. HEIGHT The tallest player in Euroleague Basketball is 229 centimeters. The tallest player in the National Basketball Association is 90 inches. Which league has the tallest player? (Section 3.6)



14. PIE SALE The table shows the profit of a pie sale. Tell whether there is direct variation between the two data sets. If so, write the equation of direct variation. (Section 3.7)

Pies Sold	10	12	14	16
Profit	\$79.50	\$95.40	\$111.30	\$127.20

15. JEWELRY The number of beads on a bracelet varies inversely with the length of the beads. You use 8-millimeter beads to make a bracelet with 25 beads. How many 10-millimeter beads would you need to make a bracelet? (Section 3.8)

