

Direct Variation

Tell whether each equation represents a direct variation. If so, identify the constant of variation.

1. $y = 1.5x$

2. $y = 4\frac{1}{8}x$

3. $y = 9x + 0.5$

4. $12y = 3x$

5. $4y = x - \frac{1}{5}$

6. $0.8y = x$

Tell whether each set of data represents a direct variation. If so, identify the constant of variation and then write the direct variation equation.

7.

x	4	8	12
y	-4	-1	2

8.

Weight (oz)	0.5	1.5	2.5
Price (\$)	0.4	1.2	2

9.

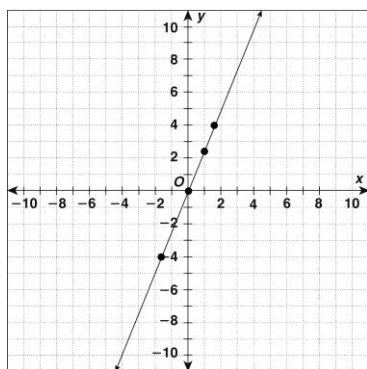
x	2	2.5	4
y	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{12}{15}$

10.

x	1	5	10
y	$\frac{1}{3}$	$1\frac{1}{3}$	$3\frac{2}{3}$

Tell whether each graph represents a direct variation. If so, identify the constant of variation and write the equation.

11.



12.

