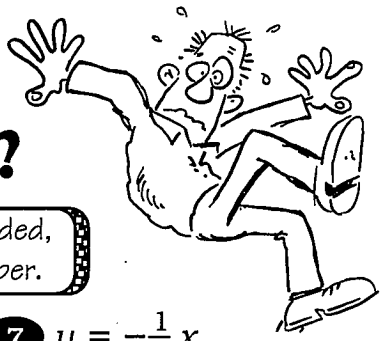
What Happened to the Guy Who Fell Into an Upholstery Machine?

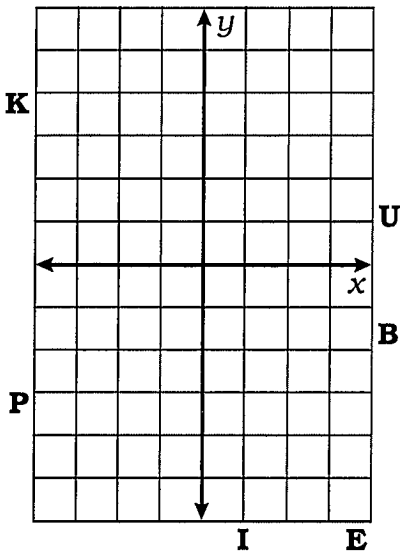


Use the slope and y-intercept to graph each equation. The graph, if extended, will cross a letter. Write this letter in the box containing the exercise number.

1 $y = \frac{3}{4}x - 2$

2 $y = -2x + 1$

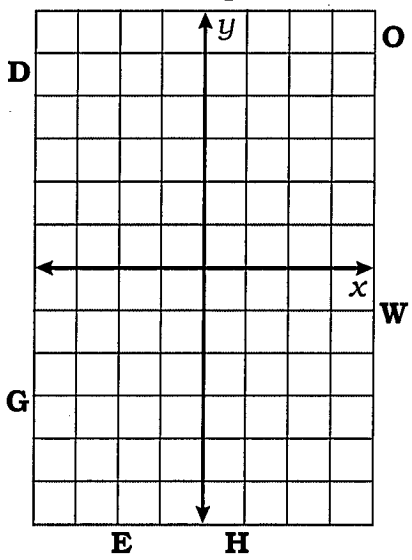
3 $y = -\frac{5}{2}x - 4$



4 $y = \frac{1}{3}x + 4$

5 $y = 3x - 1$

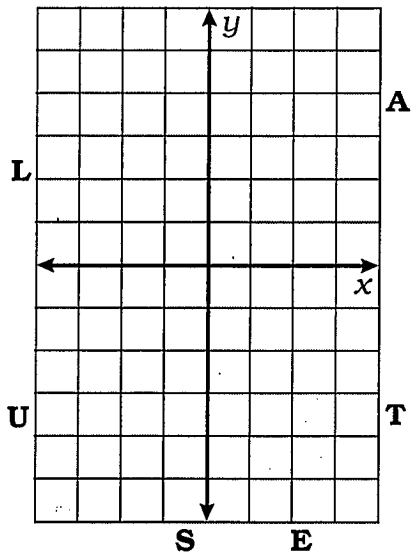
6 $y = -\frac{7}{4}x - 5$



7 $y = -\frac{1}{2}x$

8 $y = -4x + 3$

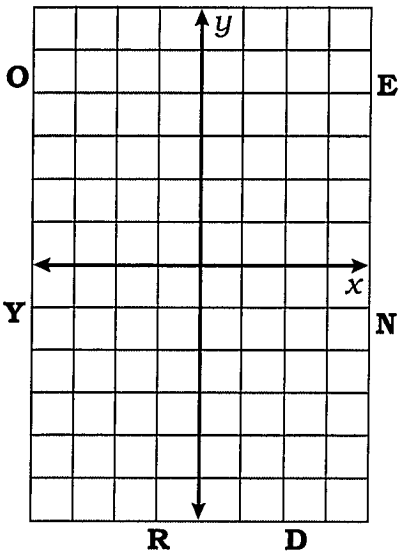
9 $y = \frac{8}{3}x - 5$



10 $y = x + 3$

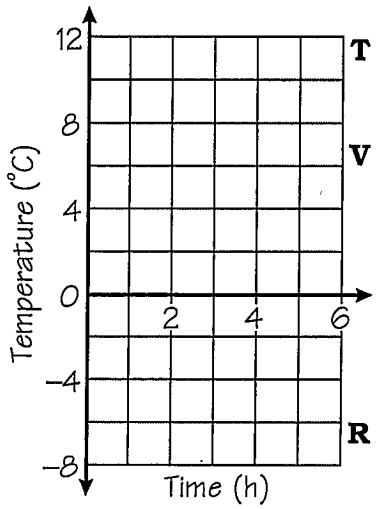
11 $y = -x - 4$

12 $y = x$



13 The temperature is −6°C and rising at a rate of 2° per hour.

14 The temperature is 12°C and dropping at a rate of 3° per hour.

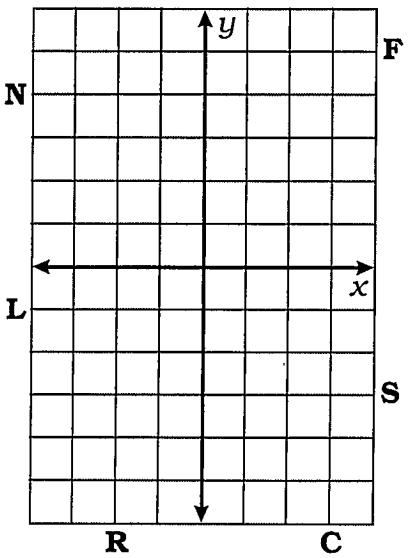


15 $y = 5$

16 $x = -2$

17 $y = -1$

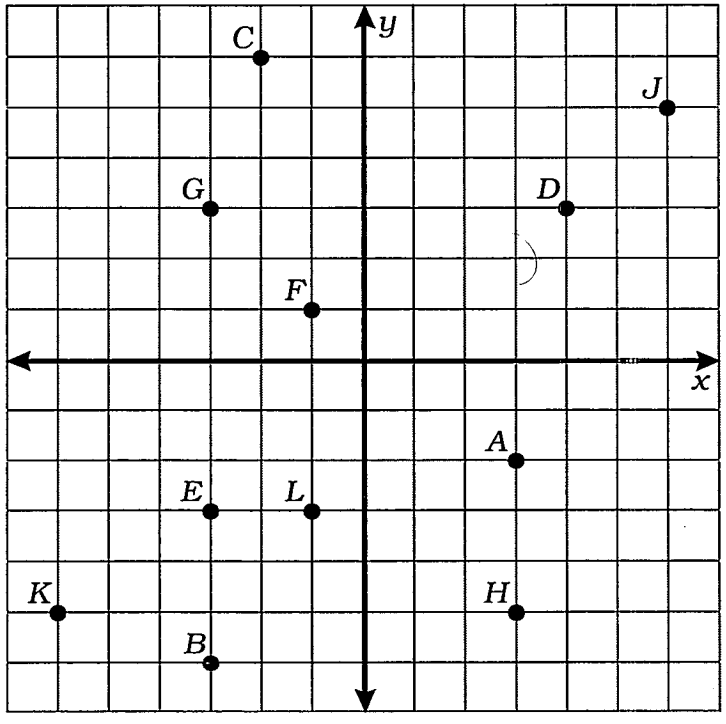
18 $x = 3$

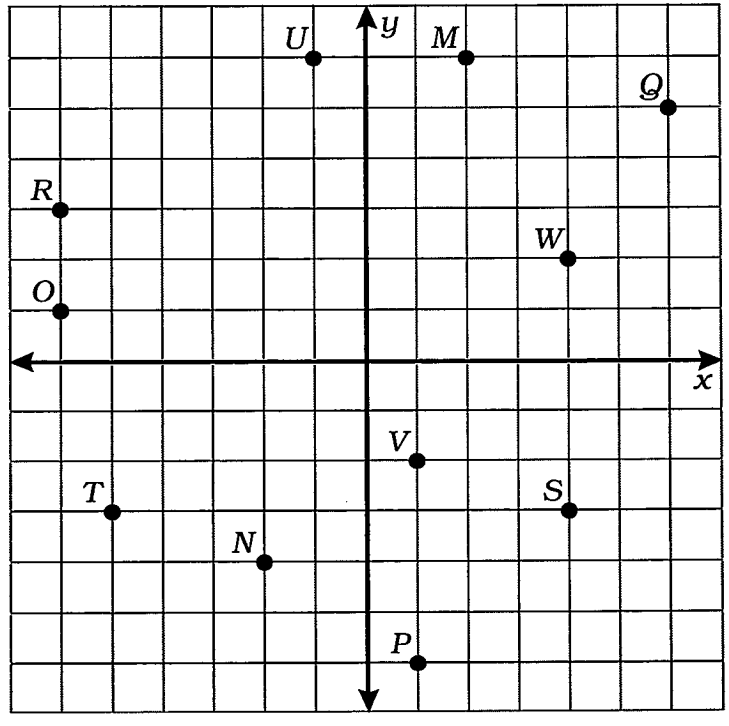


6	12	3	9	15	1	17	7	10	14	8	18	4	13	2	16	5	11

How Did the Light Dress Up For the Costume Party?

For each exercise, draw the line indicated and write its equation. Find your answer in the answer column and cross out the letter next to it. When you finish, the answer to the title question will remain.





1. Equation of $\overleftrightarrow{AB}$ _____
2. Equation of $\overleftrightarrow{CD}$ _____
3. Equation of $\overleftrightarrow{EF}$ _____
4. Equation of $\overleftrightarrow{GH}$ _____
5. Equation of $\overleftrightarrow{JK}$ _____
6. Equation of $\overleftrightarrow{GL}$ _____
7. Equation of $\overleftrightarrow{MN}$ _____
8. Equation of $\overleftrightarrow{OP}$ _____
9. Equation of $\overleftrightarrow{QR}$ _____
10. Equation of $\overleftrightarrow{ST}$ _____
11. Equation of $\overleftrightarrow{UV}$ _____
12. Equation of $\overleftrightarrow{SW}$ _____

Answers 1-6	
R	$y = 2x - 6$
N	$y = \frac{2}{3}x - 4$
E	$y = -\frac{4}{3}x - 4$
P	$y = \frac{5}{6}x$
O	$y = 2x + 3$
H	$y = -\frac{1}{2}x + 3$
T	$y = -3x + 5$
A	$y = -\frac{4}{3}x - 1$
F	$y = \frac{2}{3}x - 1$
R	$y = -3x - 6$
R	$y = -\frac{1}{2}x + 5$

Answers 7-12	
M	$y = -x - 5$
A	$y = -4$
S	$y = \frac{5}{2}x + 1$
T	$y = -4x + 2$
A	$x = 3$
F	$y = -4x - 5$
O	$y = -3$
R	$y = \frac{5}{2}x + 4$
E	$x = 4$
G	$y = -x + 2$
M	$y = \frac{1}{6}x + 4$