



Puzzle Time

What Should You Know If You Want To Become A Lion Tamer?

Write the letter of each answer in the box containing the exercise number.

Write an equation of the line that passes through the points.

1. (0, 3), (1, 4)
2. (0, 0), (5, -2)
3. (-2, 0), (0, 4)
4. (-3, 2), (0, -3)
5. (-7, 4), (0, 4)
6. (0, -8), (4, 8)
7. (0, -2), (-5, -2)
8. (-12, -9), (0, -3)
9. (0, 10), (5, 0)
10. (-14, 12), (0, 6)
11. (0, -6), (6, -24)
12. (0, -15), (5, 0)
13. You are planning to make a scrapbook. The album costs \$20 and each of the scrapbook papers costs an additional \$1. Write an equation that represents the cost of the completed scrapbook where x represents the number of scrapbook papers you purchase.
14. A hot tub that holds 300 gallons of water drains at a rate of 8 gallons per minute. Write an equation that represents how many gallons of water are left in the tub after it has drained for x minutes.
15. An elevator in a tall building is at a point 180 feet above the ground. The elevator descends at a rate of 12 feet per second. Write an equation that represents how far above the ground the elevator is after descending for x seconds.

Answers

T. $y = -2x + 10$

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

H. $y = x + 3$

R. $y = -12x + 180$

E. $y = 2x + 4$

A. $y = -\frac{2}{5}x$

H. $y = -\frac{3}{7}x + 6$

N. $y = x + 20$

E. $y = 4$

T. $y = 4x - 8$

I. $y = 3x - 15$

L. $y = -3x - 6$

M. $y = -8x + 300$

O. $y = -2$

O. $y = -\frac{5}{3}x - 3$

14	7	15	3		6	10	2	13		9	1	5		11	12	4	8
----	---	----	---	--	---	----	---	----	--	---	---	---	--	----	----	---	---