



Puzzle Time

What Do You Call A Ghost Cheerleader?

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

Write in point-slope form an equation of the line that passes through the given point and has the given slope.

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|----------------------|----------------------|
| 1. $(1, 5); m = 2$ | 2. $(-2, 4); m = -3$ |
| 3. $(4, 2); m = 3$ | 4. $(-1, 5); m = -2$ |
| 5. $(2, -4); m = -3$ | 6. $(-5, 1); m = 2$ |

Write in slope-intercept form an equation of the line that passes through the given points.

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|------------------------|------------------------|
| 7. $(-5, -5), (5, -7)$ | 8. $(-3, -4), (3, 0)$ |
| 9. $(-2, -7), (2, -1)$ | 10. $(-6, -4), (6, 4)$ |

11. You go to an arcade and purchase a card with game credits. After playing 5 games, you have 33 credits left. You play 4 more games and have 21 credits left. Write an equation that represents the number of credits y on the card after x games.
12. You go to a school dance. There is an entrance fee, and there are slices of pizza for sale. After having 1 slice of pizza, you have spent a total of \$6. After having 2 more slices of pizza, you have spent a total of \$10. Write an equation that represents the total cost y after buying x slices of pizza at the dance.
13. You make 2 headbands and have 6 feet of ribbon left. You make 1 more headband and have 4 feet of ribbon left. Write an equation that represents the amount of ribbon y you have left after making x headbands.

Answers

R. $y - 4 = -3(x + 2)$

M. $y = \frac{2}{3}x$

E. $y = 2x + 4$

I. $y + 4 = -3(x - 2)$

P. $y = -2x + 10$

I. $y = -3x + 48$

A. $y - 2 = 3(x - 4)$

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

E. $y - 5 = 2(x - 1)$

T. $y - 1 = 2(x + 5)$

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

T. $y - 5 = -2(x + 1)$

H. $y = -\frac{1}{5}x - 6$

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