CRYPTIC QUIZ

1. Why did the little girl paint spots on the staircase?
Answer: __ __ __ __ __ __ __ __ __ __ __

2. What do you call a thirty-six-inch two-by-four?
Answer: __ __ __ __ __ __ __ __ __ __ __

Solve each equation for y in terms of x. Find your answer below and notice the letter next to it. Each time the exercise number appears in the code, write this letter above it.

1. \( x + y = 5 \)
2. \( -3x + y = -2 \)
3. \( x - y = 7 \)
4. \( -4x - y = 1 \)
5. \( 3x - y = -10 \)

Answers:
E: \( y = -4x - 1 \)
F: \( y = 3x - 1 \)
P: \( y = -x + 5 \)
W: \( y = x - 7 \)
Y: \( y = 3x + 10 \)
O: \( y = 3x - 2 \)

6. \( -x + 2y = 6 \)
7. \( x - 2y = 2 \)
8. \( -2x + 3y = -12 \)
9. \( 5x + 2y = 1 \)
10. \( 4x - 3y = -2 \)

Answers:
D: \( y = -\frac{5}{2}x + \frac{1}{2} \)
U: \( y = \frac{1}{2}x + 3 \)
L: \( y = \frac{4}{3}x + \frac{2}{3} \)
G: \( y = \frac{3}{4}x - 4 \)
B: \( y = \frac{2}{3}x - 4 \)

11. \( 3x + 2y - 6 = 0 \)
12. \( x - 4y + 2 = 0 \)
13. \( -2x - 6y = 0 \)
14. \( 8y - 3x = -6 \)
15. \( 7x = 2y \)

Answers:
N: \( y = \frac{4}{3}x + \frac{1}{4} \)
S: \( y = \frac{3}{8}x - \frac{3}{4} \)
R: \( y = \frac{1}{4}x + \frac{1}{2} \)
A: \( y = -\frac{3}{2}x + 3 \)
T: \( y = \frac{7}{2}x \)
M: \( y = -\frac{1}{3}x \)