Name: _____ Date: _____ Class: _____

LET THE MUSIC PLAY

This pop-music songwriter, born in 1942, has had 32 number-one singles in the United States and 28 in the United Kingdom.
Who is this famous musician?

For each exercise, write the standard-form equation of a line that includes the values given. Shade in the grid boxes that contain your solutions. Read across the remaining unshaded boxes to spell out the answer to the question.

Tip: Put b, m, and point values in the slope-intercept form $y = mx + b$, and then transform the equation into the standard form $Ax + By = C$. Remember: $m = (y_2 - y_1) / (x_2 - x_1)$ and $b = y - mx$.

1. $b = 4, m = -10$

2. $(-3,-2), m = 3$

3. $(-1,-1), (-4,-7)$

4. $(0,-9), (-3,12)$

5. $b = -7, m = 8$

6. $(-2,-4), m = -6$

7. $(-4,5), (9,-21)$

8. $(-3,7), m = -1$

9. $b = -5, m = 8$

10. $(4,8), (2,10)$

11. $b = -3, m = 1$

B $7x + y = -9$	P $3x + 4y = 11$	E $x + y = 4$	A $-2x - 5y = 12$	S $10x + y = 4$	U $8x - 9y = -1$
R $-3x + y = 7$	L $x - 3y = 21$	Y $-8x + y = -7$	W $-8x + y = -5$	M $4x + 8y = 13$	C $-2x + 2y = 3$
C $-6x - 7y = 2$	O $-x + y = -3$	V $6x + y = -16$	A $-13x - y = 10$	G $-2x + y = 1$	R $-x + 5y = 4$
T $2x + y = 1$	D $x + y = 12$	N $-10x - y = 4$	E $7x - y = 9$	K $2x + y = -3$	Y $5x + y = -13$

Answer: _____