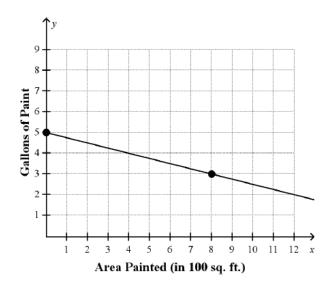
26. Janell has 5 gallons of paint. After painting 800 square feet of walls in her house, she has 3 gallons left. The graph below show's Janell's situation.



What is the equation of this linear function? What is the slope and what does it represent?

- a. $y = -\frac{1}{400}x + 5$; slope = $-\frac{1}{400}$; this means that for every gallon of paint used, 400 sq. ft. of area is painted.
- b. $y = -\frac{1}{40}x + 5$; slope = $-\frac{1}{40}$; this means that for every gallon of paint used, 40 sq. ft. of area is painted.
- c. $y = -\frac{1}{800}x + 5$; slope = $-\frac{1}{800}$; this means that for every gallon of paint used, 800 sq. ft. of area is painted.
- d. $y = -\frac{1}{4}x + 5$; slope = $-\frac{1}{400}$; this means that for every gallon of paint used, 4 sq. ft. of area is painted.
- 27. Which expression is NOT equivalent to the other expressions?
 - a. $(4x^2y)^2$

c. $16x^4y^2$ d. $4^2x^4y^2$

b. $4x^4v^2$

Answers

26. ANS: A

27. ANS: B