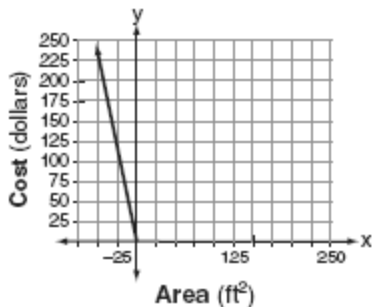


## Lesson 6-3: Applying Linear Functions

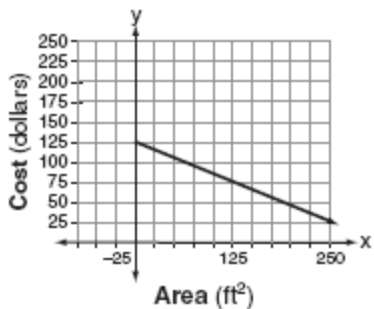
### Part 1: Interpreting Linear Functions

- Super Painters charges \$1.00 per square foot plus an additional fee of \$25.00 to paint a living room. If  $x$  represents the area of the walls of Francesca's living room, in square feet, and  $y$  represents the cost, in dollars, which graph best represents the cost of painting her living room?

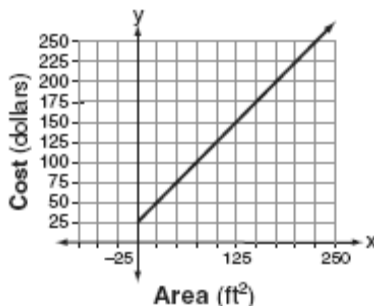
[A]



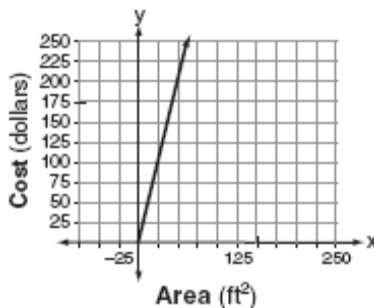
[B]



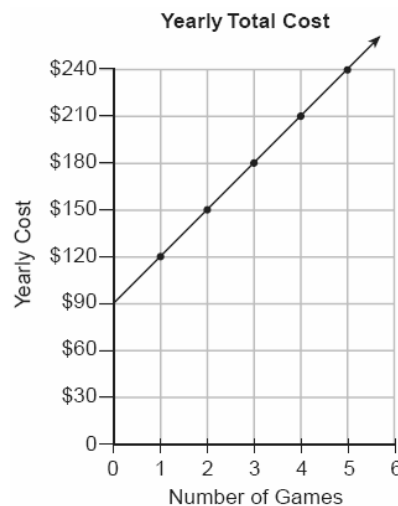
[C]



[D]



- The accompanying graph represents the yearly cost of playing 0 to 5 games of golf at the Shadybrook Golf Course. What is the total cost of joining the club and playing 10 games during the year?



[1] C

[2] \$390 or 390 and appropriate work is shown, such as a numerical table or the equation  $y = 30x + 90$  or the expression  $90 + 30N$ .

[1] Appropriate work is shown, but one computational error is made.

or [1] \$300 or 300 or a slope of 30 but appropriate work is shown.

or [1] \$390 or 390 but no work is shown.

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously

[2] incorrect procedure.