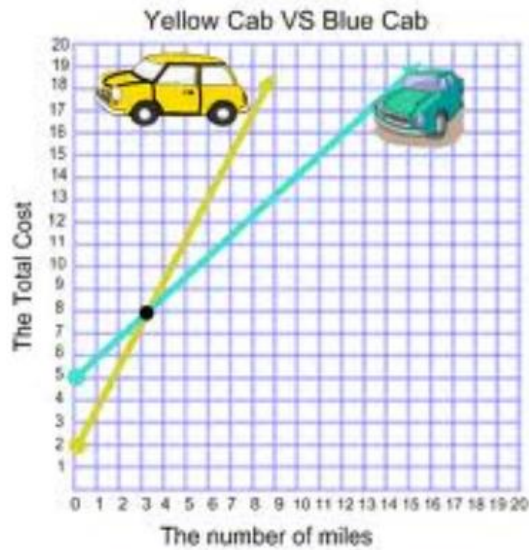


**A**

The graphs and equations below compare the costs of two taxi cab companies. What is the solution to this system of equations and what does it mean in context?



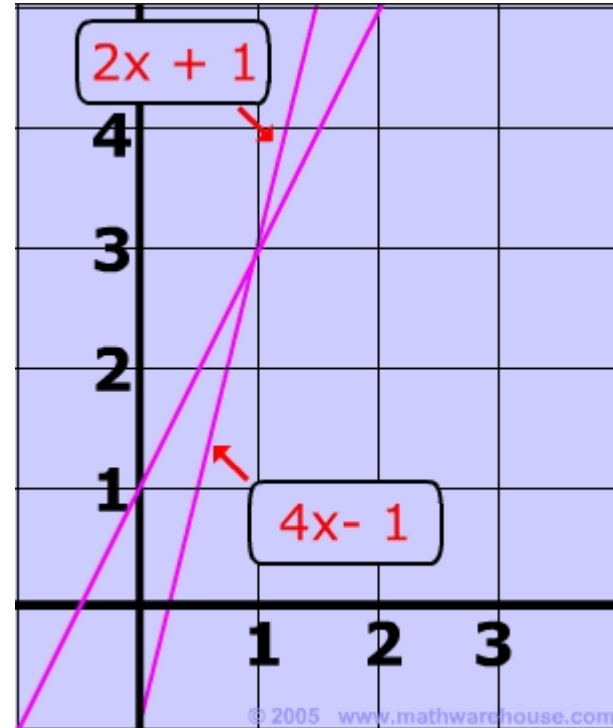
Yellow Cab:  $3x - 7y = 6$

Blue Cab:  $y = 1x + 5$

- A. Both cab companies will cost \$8 after 3 miles
- B. Both cab companies will cost \$3 after 8 miles
- C. Both cab companies cost \$20 after 20 minutes
- D. The cab companies will never cost the same amount of money

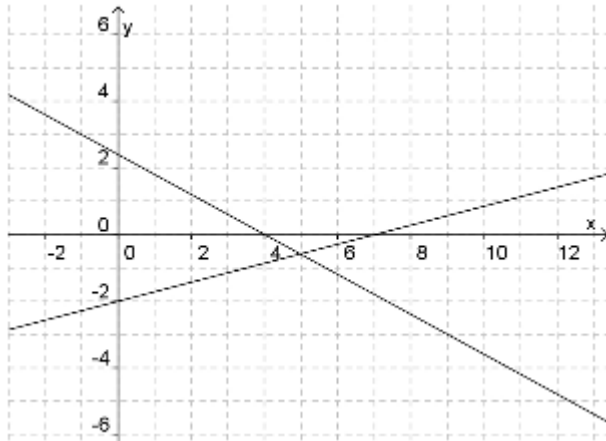
**B**

Find the solution to the system of equations graphed below.



## C

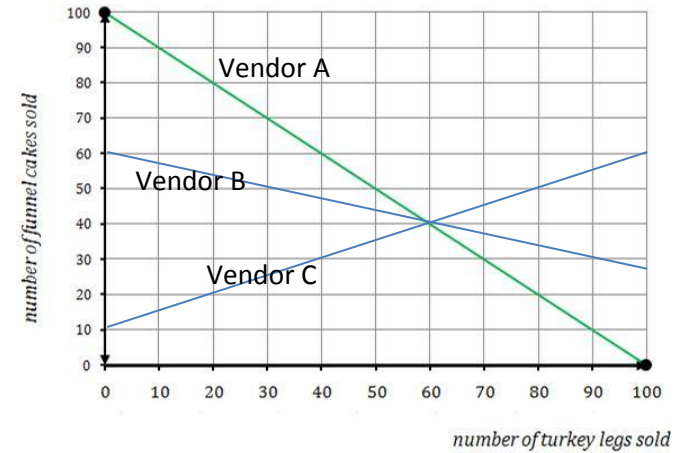
Find the solution to the system of equations graphed below.



- A. (4, -1)
- B. (-1, 4)
- C. (5, - $\frac{1}{2}$ )
- D. (- $\frac{1}{2}$ , 5)

## D

The graphs and equations below compare the turkey leg and funnel cake sales of three state fair food vendors. What is the solution to this system of equations and what does it mean in context?



$$\text{Vendor A: } y = 100 - x$$

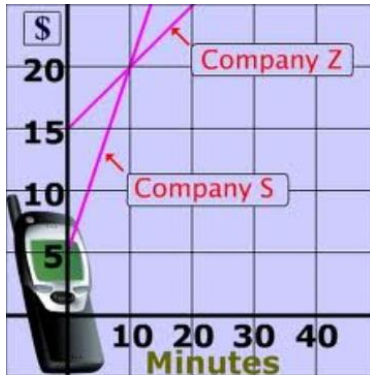
$$\text{Vendor B: } y = 60 - \frac{1}{3}x$$

$$\text{Vendor C: } y = 10 + \frac{1}{2}x$$

- A. All three vendors sold 40 turkey legs when they sold 60 funnel cakes.
- B. All three vendors always sold more funnel cakes than turkey legs.
- C. All three vendors sold 60 turkey legs when they sold 40 funnel cakes.
- D. There is no solution

E

The graphs and equations below compare the costs of two prepaid photo companies. What is the solution to this system of equations and what does it mean in context?



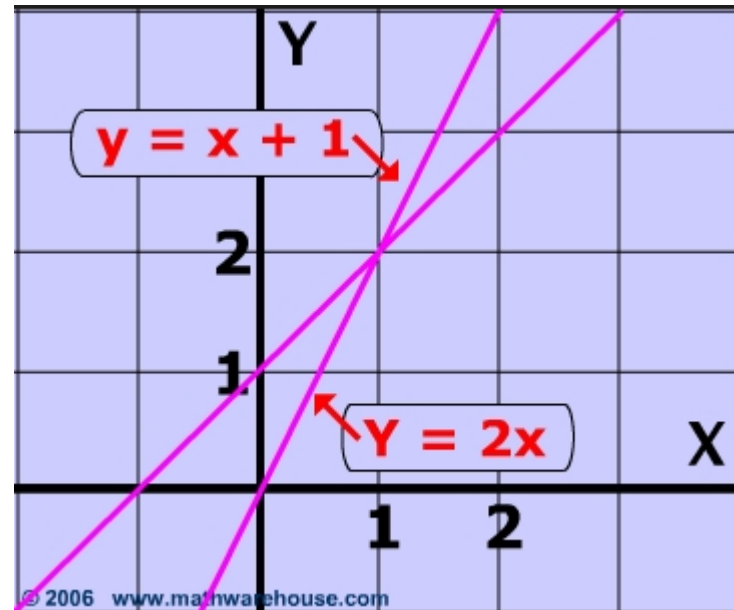
Company Z:  $2y - x = 30$

Company S:  $y = \frac{3}{2}x + 5$

- A. After 0 minutes, both companies cost the same.
- B. After 50 minutes, both companies will cost \$25.
- C. After 10 minutes, both companies will cost \$20.
- D. After 20 minutes, both companies will cost \$10

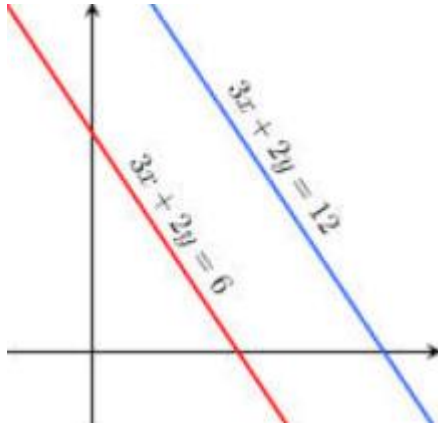
F

Find the solution of the system of equations graphed below.



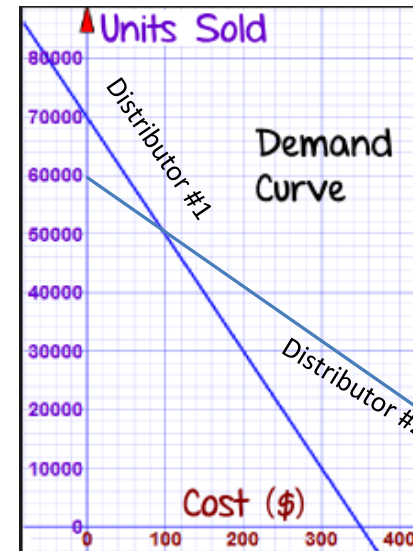
## G

Find the solution to the system of equations graphed below.



## H

The graphs and equations below compare the demand curve of two distributors. What is the solution to this system of equations and what does it mean in context?



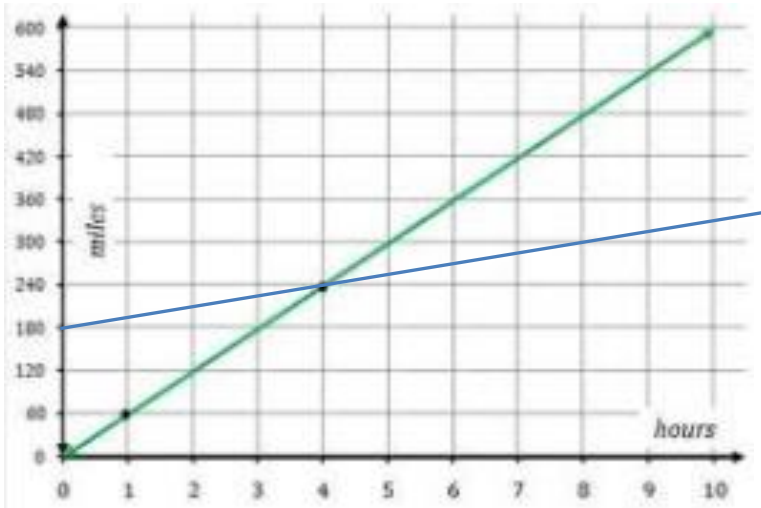
Distributor #1:  $y = 70000 - 200x$

Distributor #2:  $y = 60000 - 100x$

- A. Distributor 1 and Distributor 2 will both sell 80000 units when the cost is \$400.
- B. Distributor 1 and Distributor 2 will both sell 400 units when the cost is \$80000.
- C. Distributor 1 and Distributor 2 will both sell 50000 units when the cost is \$100.
- D. Distributor 1 and Distributor 2 will both sell 100 units when the cost is \$50000.

I

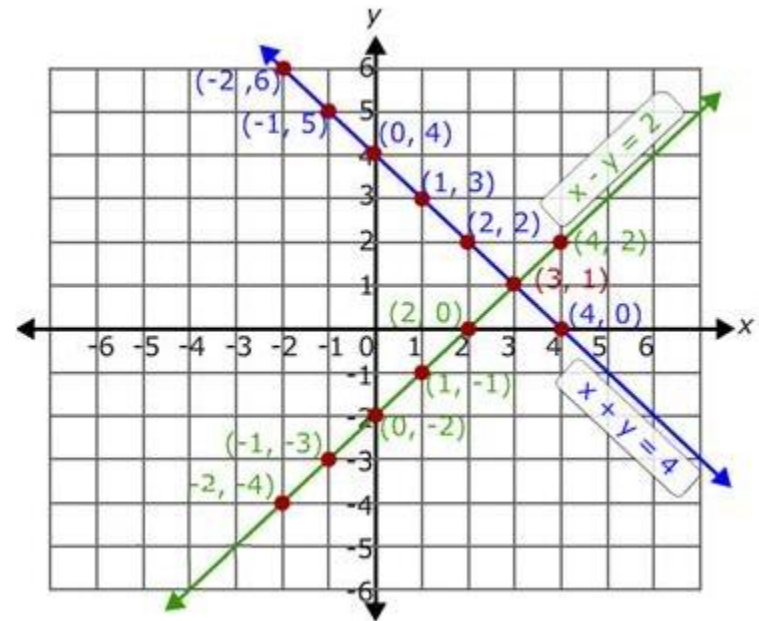
The graphs and equations below compare the total distance traveled of two truck drivers. What is the solution to this system of equations and what does it mean in context?



- A. Both drivers have driven 240 miles after 4 hours.
- B. Both drivers have driven 4 miles after 240 hours.
- C. Both drivers have driven 600 miles after 10 hours.
- D. Both drivers have driven 10 miles after 600 hours.

J

Find the solution of the system of equations graphed below.



A	B	C	D	E
F	G	H	I	J

