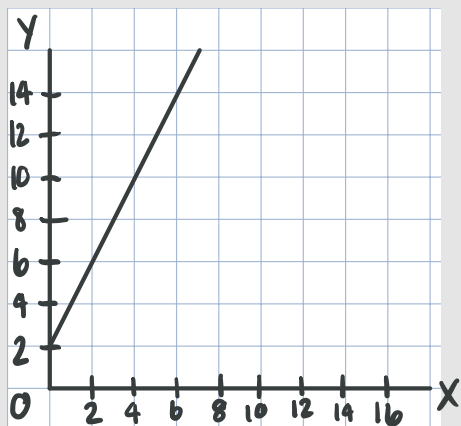**Problem 1**

The graph of a straight line is shown in the coordinate plane. Use the graph to answer the question. The graph of the line continues. Which point is also on the line?



(A) $(10, 16)$

(B) $(8, 14)$

(C) $(13, 27)$

(D) $(14, 30)$

**Problem 2**

When June comes to work in the morning, she spends 35 minutes preparing the area where she paints. Then, it takes her 20 minutes to paint each piece of furniture. Which equation shows the time it takes for June to prepare and then paint c coffee tables.

T = time
c = the number of coffee tables

(A) T = 35 + 20 + c

(B) T = 20 x c + 35

(C) T = 35 x c + 20

(D) T = (35 + 20) x c

1

**Problem 3**

A store manager makes a schedule for the 4th of July sale where all items are 20% off the retail price. Sales Associates make $12.00 per hour, Cashiers make $10.50 per hour, and Stock Associates make $11.50. How much will Amani earn working the 4th of July sale?
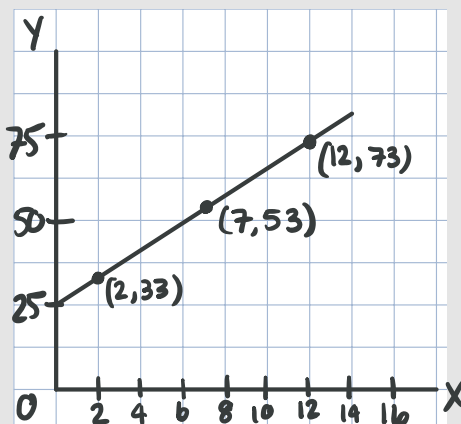
(A) $101.25

(B) $98.00

(C) $102.00

(D) $95.50

| SHIFT | CASHIER | STOCK ASSOC. | SALES ASSOC. |
|---|---|---|---|
| 8AM – 10 30 AM | AMANI ALISHA | CHRIS | RUBIO |
| 10 30 AM – 12 30 PM | RUBI | ALISHA | CHRIS AMANI |
| 1 30 PM – 6 PM | ALISHA | AMANI | RUBI |

**Problem 4**

The diagram shows a line graphed in the coordinate plane. What is the equation of the line?
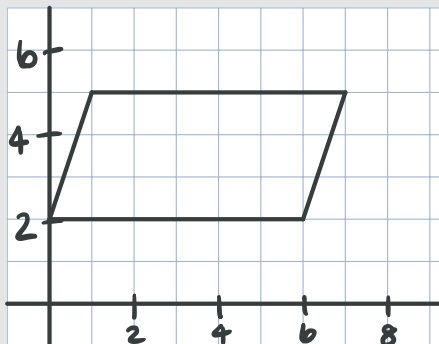
(A) y = 4x - 25
(B) y = 25x + 4
(C) y = x - 4
(D) y = 4x + 25

**Problem 5**
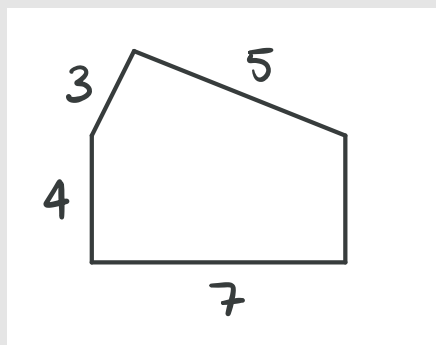
Use the diagram to answer the question. What is the area of the quadrilateral?

(A) 24 square units
(B) 20 square units
(C) 18 square units
(D) 16 square units

Which of the following is the closest estimate of the area of the pentagon?

(A) 44 square feet
(B) 33 square feet
(C) 41 square feet
(D) 36 square feet

**Problem 6**

A firetruck ladder can extend 102 feet. How could this length be converted to yards?

(A) Divide 102 by 36

(B) Divide 102 by 3

(C) Multiply 102 by 3

(D) Multiply 102 times 12