

18. Mr. Walker purchases the following items.

(a) Calculate his total bill.

Items	Quantity	Unit Price	Total
Bread	2 loaves	\$4.20 each	[2]
Tuna	6 cans	2 for \$1.08	[2]
Mayonnaise	1 bottle	\$8.50	[1]
Total			[1]

(b) Calculate his change from \$25.00 .

Answer: \$ _____ [2]

18. (a) Mrs. Bain bought the following items from the store.

Calculate her total bill.

Item	Cost	Total
8 oranges	2 for 99¢	[2]
2lbs Bananas	\$1.32 per pound	[2]
3 jars honey	\$5.00 per jar	[2]
TOTAL		[1]

(b) Calculate her change from \$25

Answer: \$ _____ [2]

18. (a) Place the correct letter from Column B besides the Correct Symbol in Column A.

	COLUMN A – SYMBOL	COLUMN B – MEANING
	1. \notin	A. The complement
	2. \subset	B. Intersection
	3. \cup	C. Is not a member of
	4. \cap	D. Union
		E. Subset of
		F. The number of elements

[4]

- (b) Set E contains the even numbers less than 11.

- (i) List all the members of set E.

Answer: { _____ } [2]

- (ii) State $n(E)$

Answer: _____ [1]

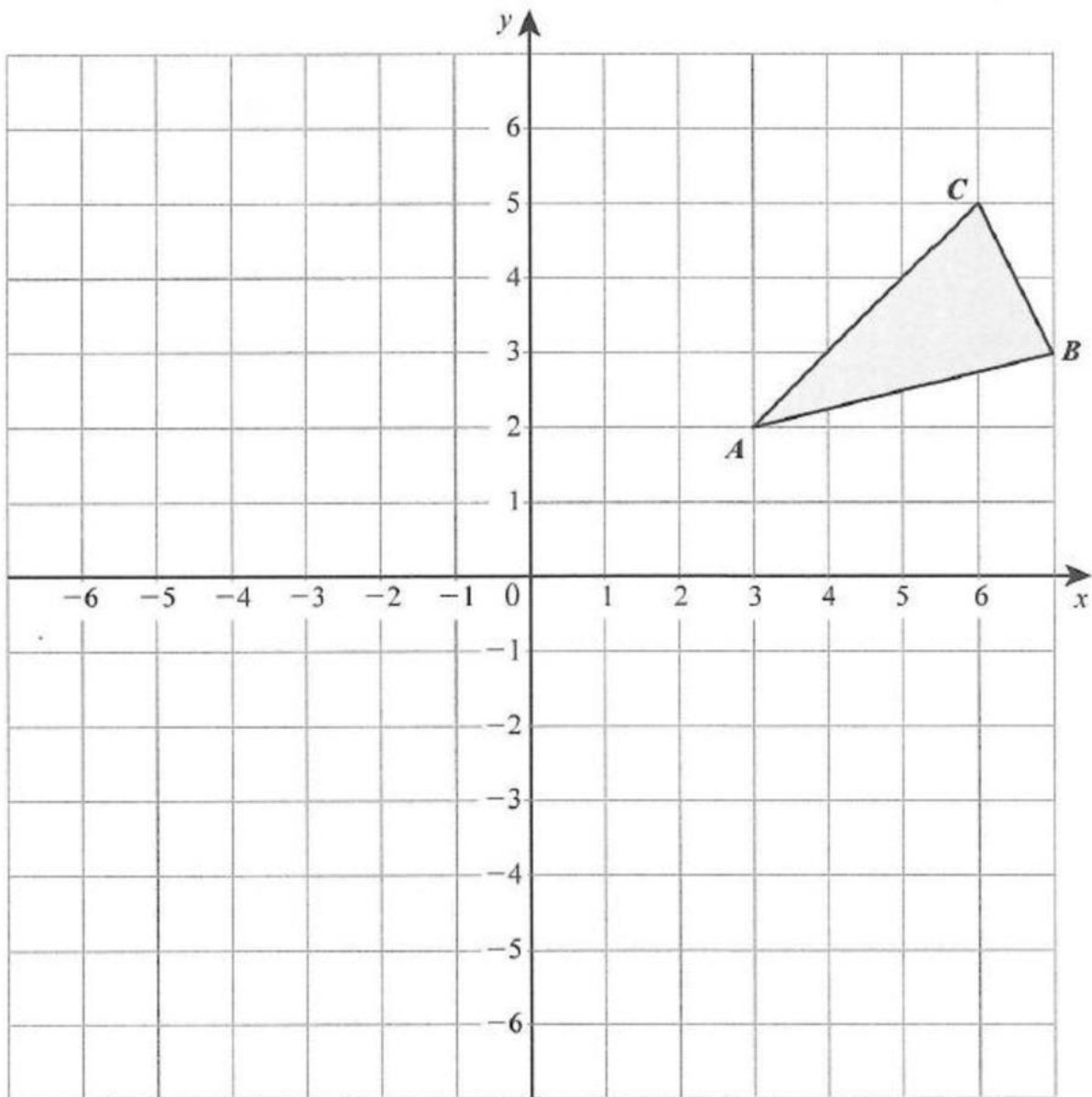
Set P is the prime numbers less than 8.

- (iii) State the members of Set P

Answer: { _____ } [2]

- (iv) List the members of $P \cap E$.

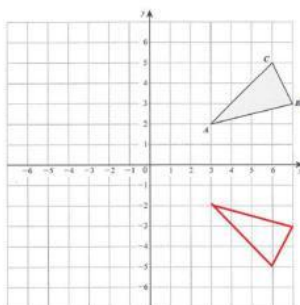
Answer: { _____ } [1]



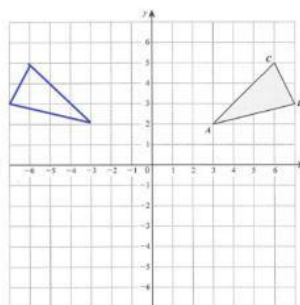
On the graph above:

(a) Draw the line $x = 1$. [1]

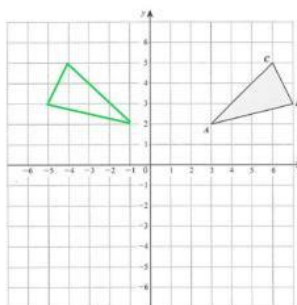
(b) Reflect triangle ABC in the line $x = 1$. [2]



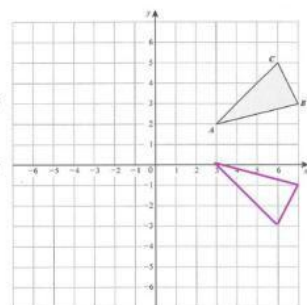
Option A



Option B



Option C

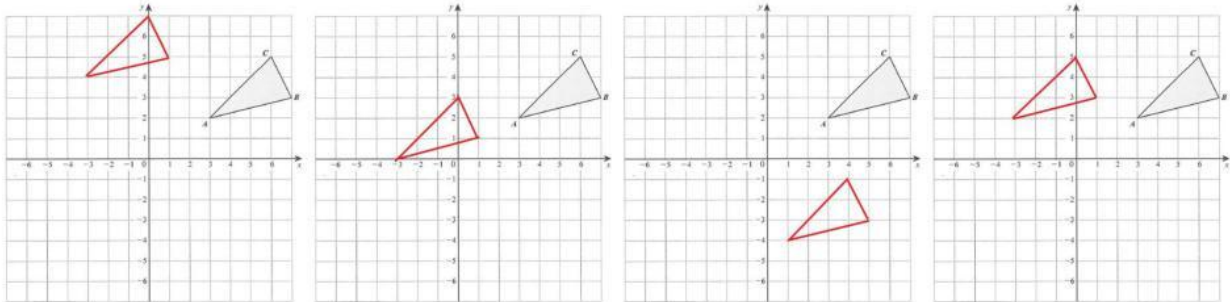


Option D

(c) Label image $A_1B_1C_1$ [1]

$$A_1 = (\quad , \quad) \quad B_1 = (\quad , \quad) \quad C_1 = (\quad , \quad)$$

(d) Move each point in $\triangle ABC$ 2 places to the left and 6 places down. [3]



Option A

Option B

Option C

Option D

(e) Label image $A_2B_2C_2$ [1]

$$A_2 = (\quad , \quad) \quad B_2 = (\quad , \quad) \quad C_2 = (\quad , \quad)$$

18. Fast Cars Auto is selling used cars for \$7,000 cash or 25% down and 24 monthly payments of \$275 each.

Mr. Rolle decided to use their payment plan:

Calculate,



- (a) the amount of the down payment

Answer: _____ [2]

- (b) the total monthly payment

Answer: _____ [2]

- (c) the cost of the car on the payment plan

Answer: _____ [2]

- (d) the savings if he had paid cash.

Answer: _____ [2]