Together we can make math easie

math in use

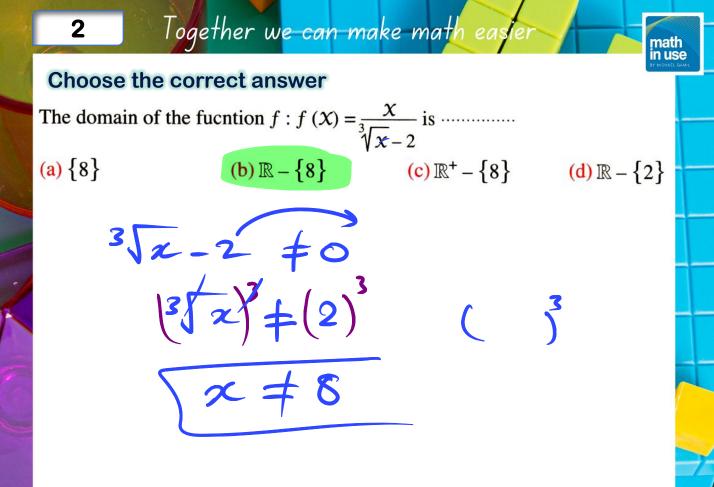
Final Revision Algebra (1)

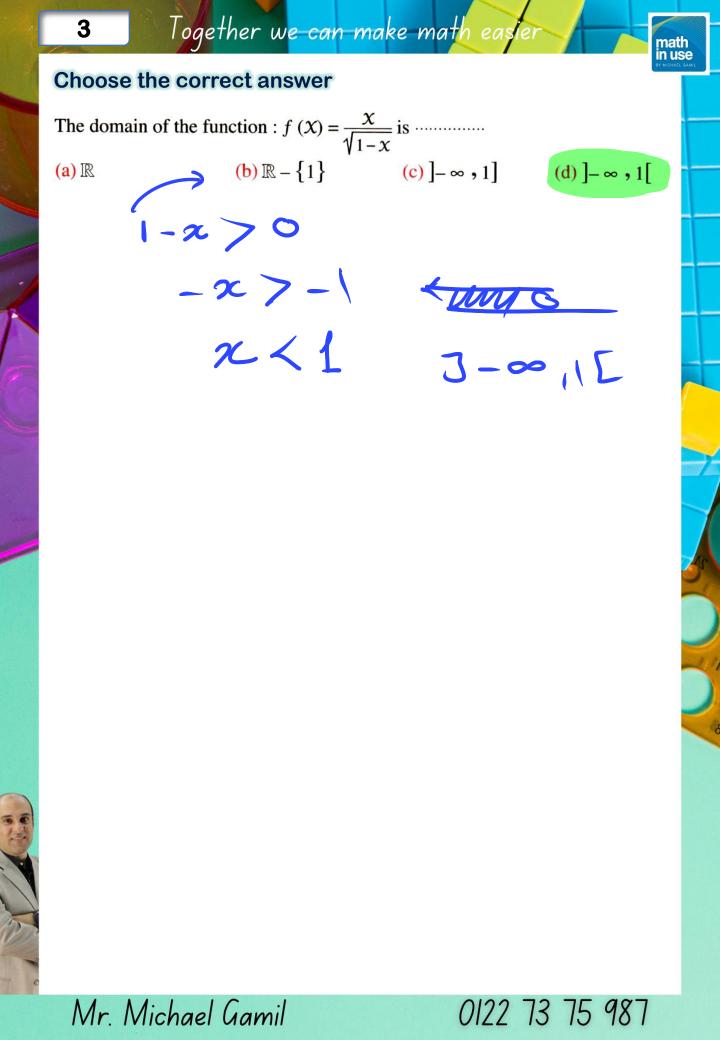
Choose the correct answer

侣

The opposite figure represents a function of X, the domain of the function is \dots $\mathbb{R}^{-1} = 0$ (a) \mathbb{R} (b) $\mathbb{R} =]-2, 2[$ forges (c) $\mathbb{R} = [-2, 2]$ $J = \infty_{1} - 2 \int J \int J \int dt$ (d) $\mathbb{R} = \{0\}$ $\mathbb{R} = [-2, 2]$ $\mathcal{R} = [-2, 2$

0122 73 75 987





Together w<mark>e can make math easi</mark>er

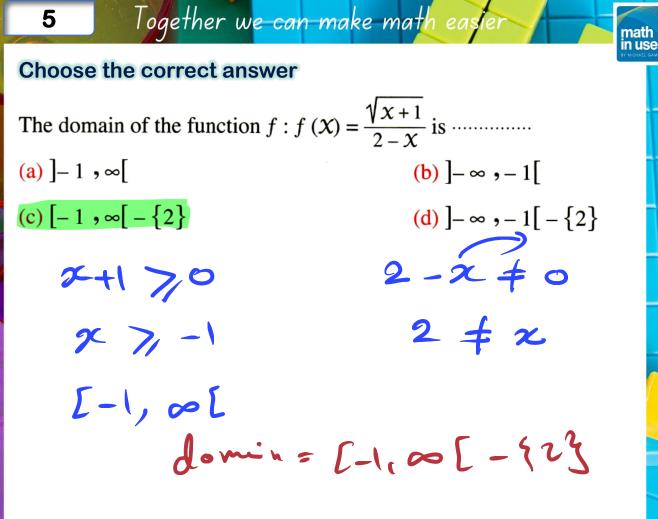
math in use

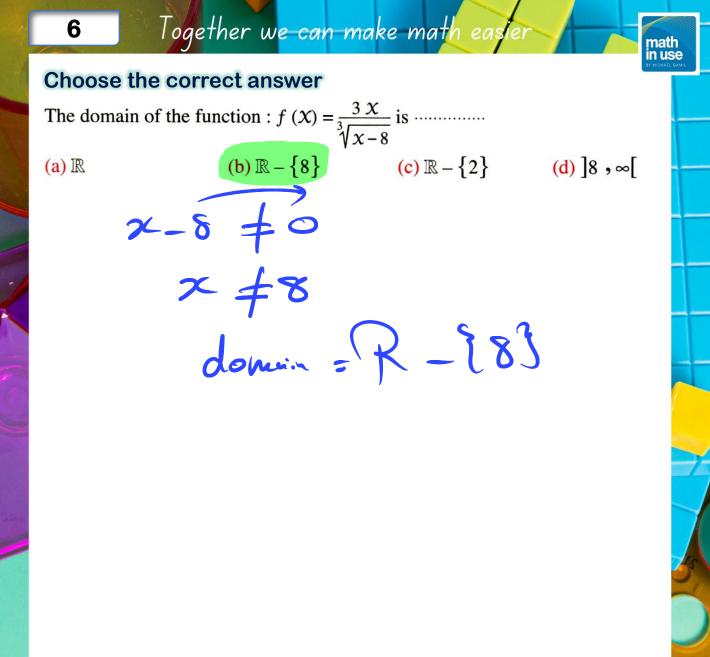
0122 73 75 987

Choose the correct answer 🛛 🛧

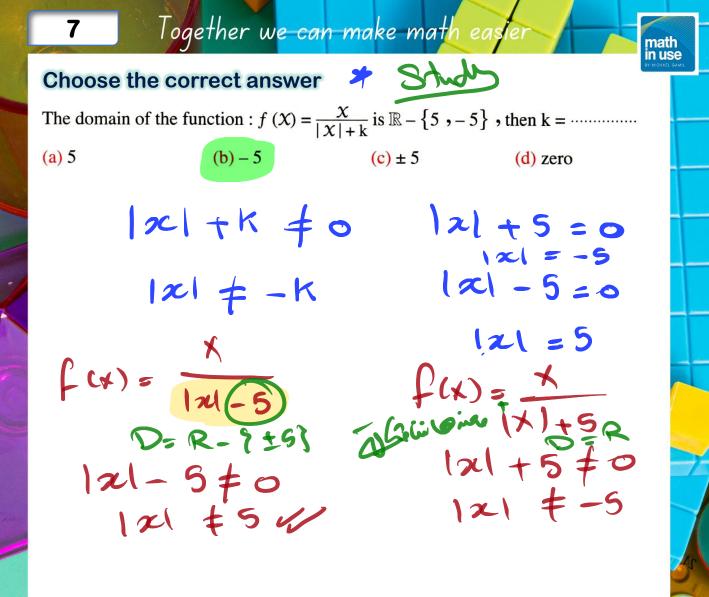
4

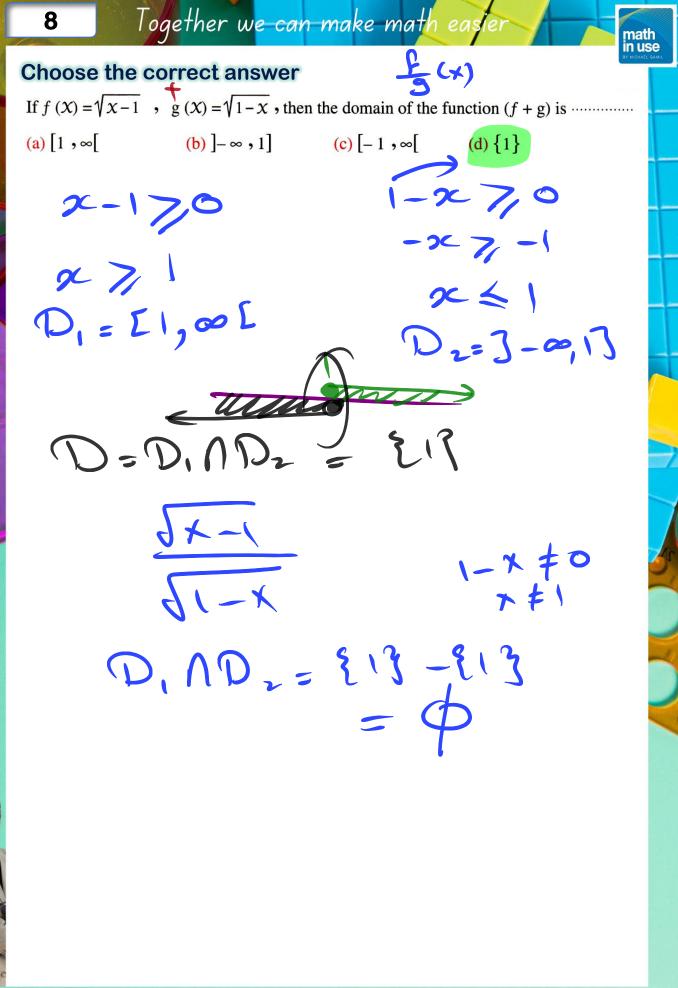
The domain of the function $f: f(x) = \frac{5}{\sqrt{x+1-2}}$ is (a) $[-1, \infty[-\{3\}]$ (b) $[-1, \infty[-\{5\}]$ (c) $]-1, \infty[-\{3\}]$ (d) $[-1, \infty[$ $x+1 = 2 \neq 0$ $x+1 = 2 \neq 0$ $x+1 = 2 \neq 0$ x+1 = 1domain: $[-1, \infty[-\{3\}]$ x+1 = 14 x+1 = 14 x = 3

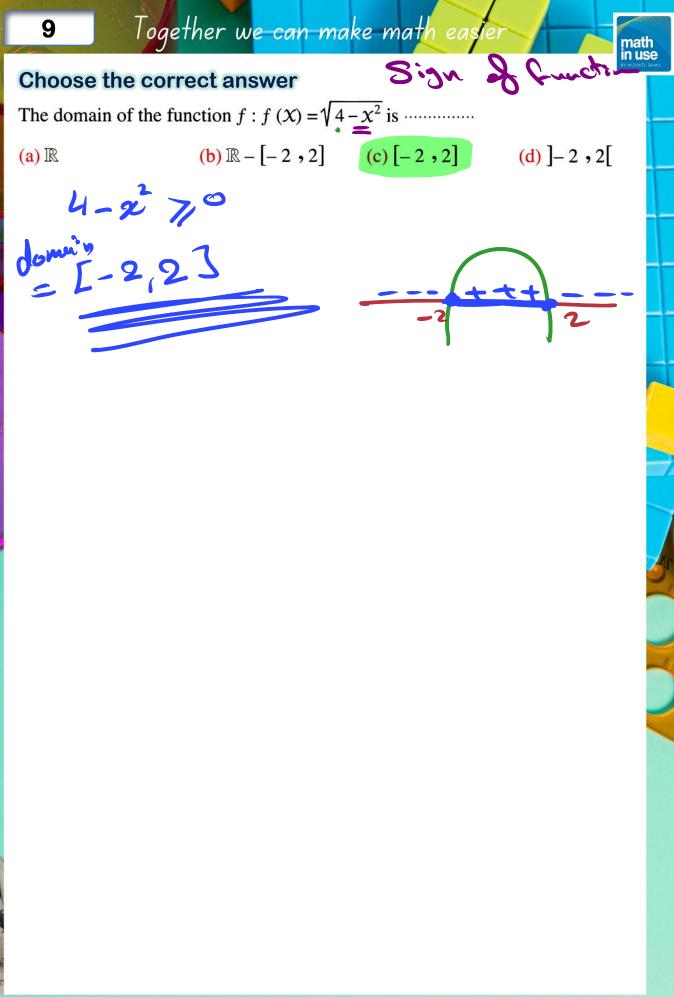


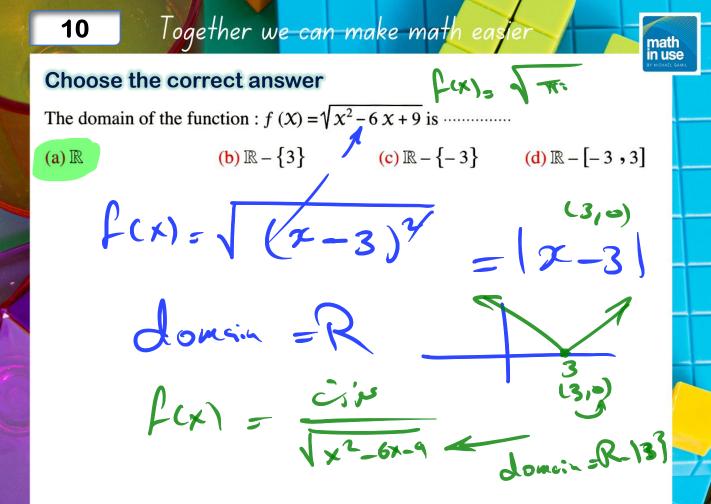




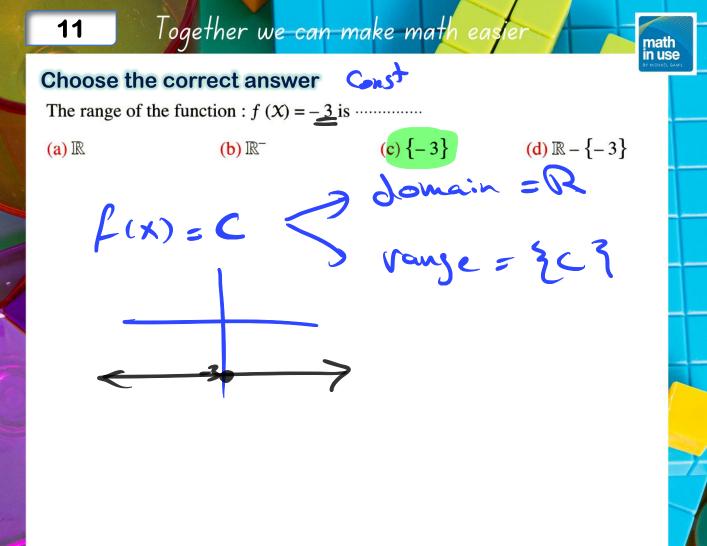


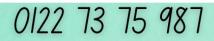


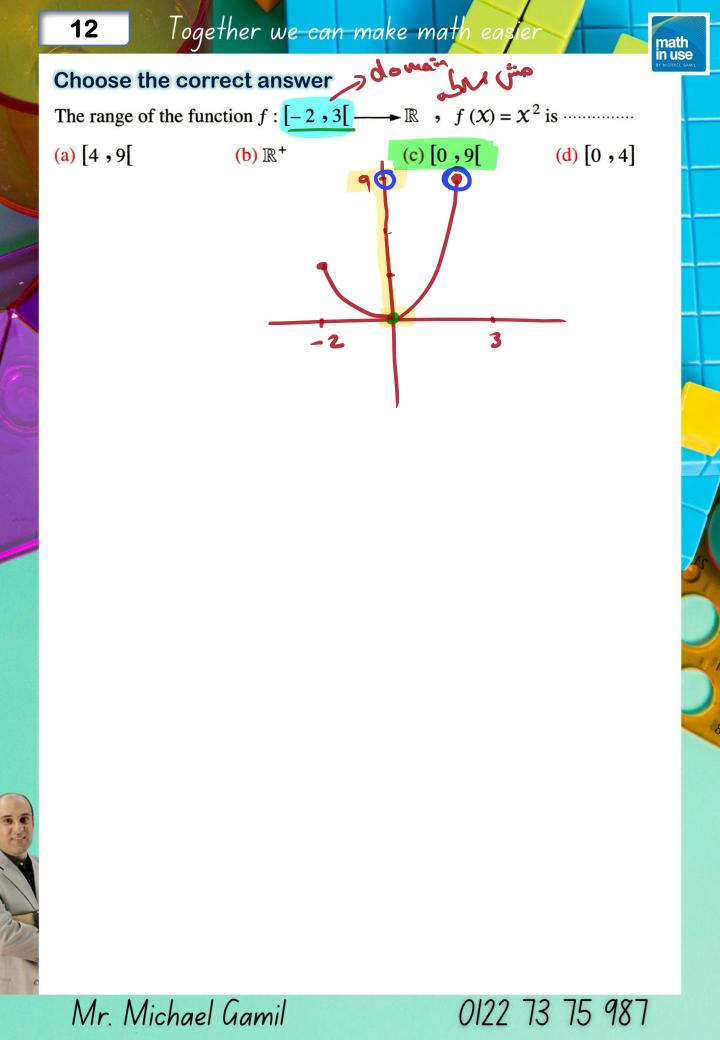


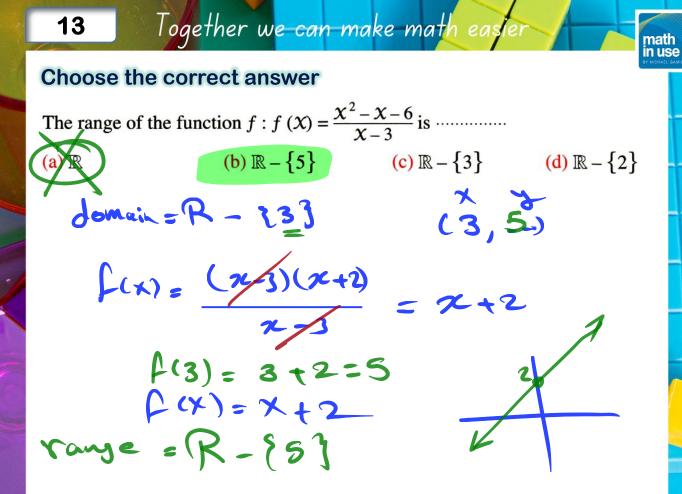


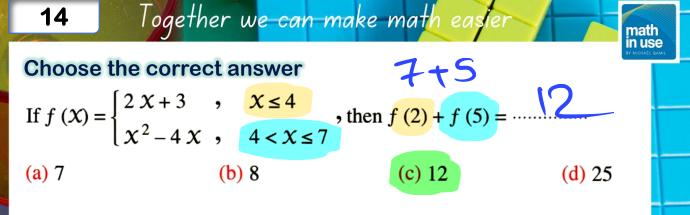
0122 73 75 987



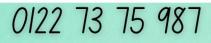


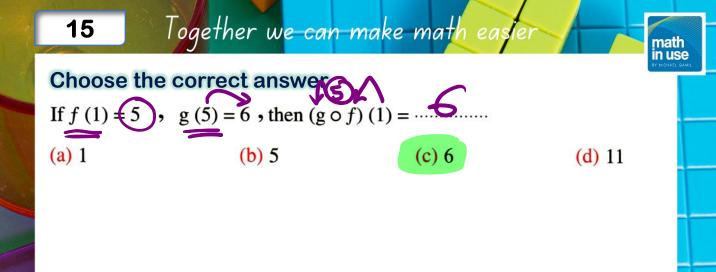




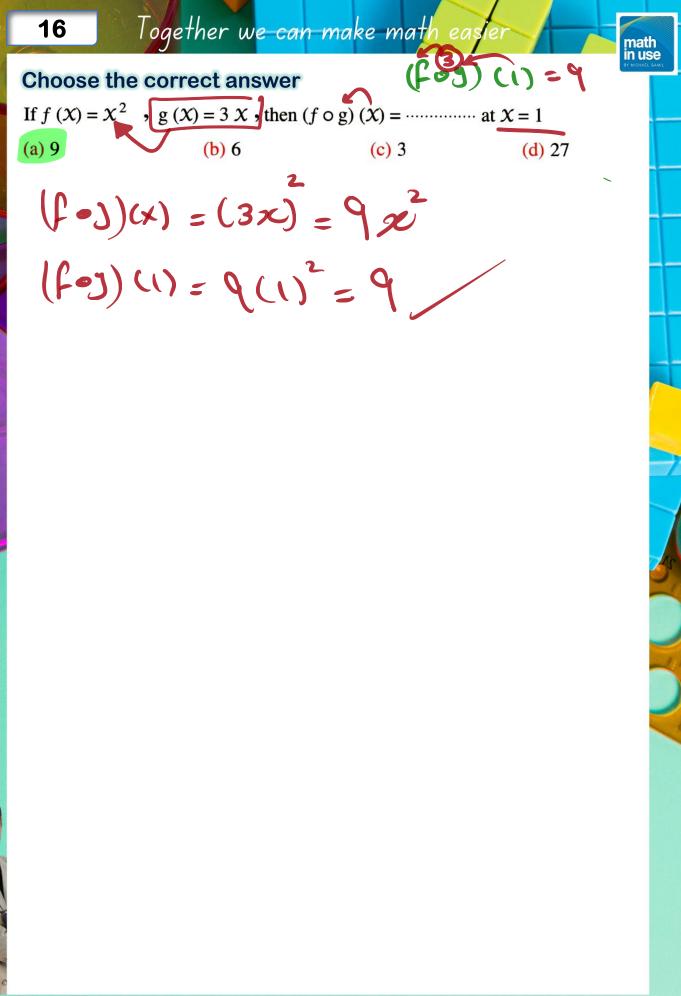


f(2) = 2(2) + 3 = 7 $f(5) = (5)^{2} - 4(5) = 25 - 20 = 5$









(b) 5

(d) 4

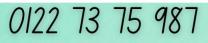


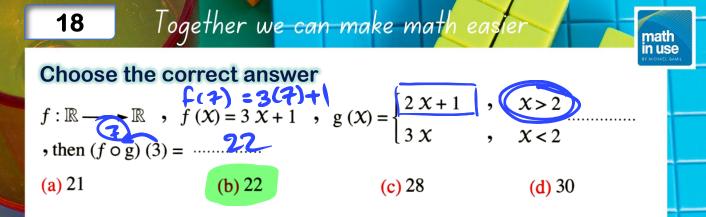
Choose the correct answer

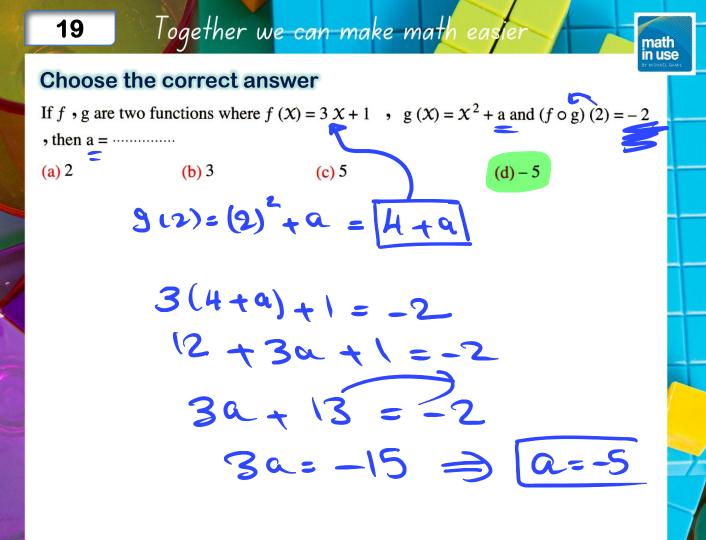
The opposite figure :

Represents the curves of the two functions f and g, then $(g \circ f)(1) = \cdots$ 2... (a) 6 (c) - 2

	3	f	(X)		
	8				
x	-2 -1 0 -2 -2	21 2	3	5	x
1	y	•		g(X)	



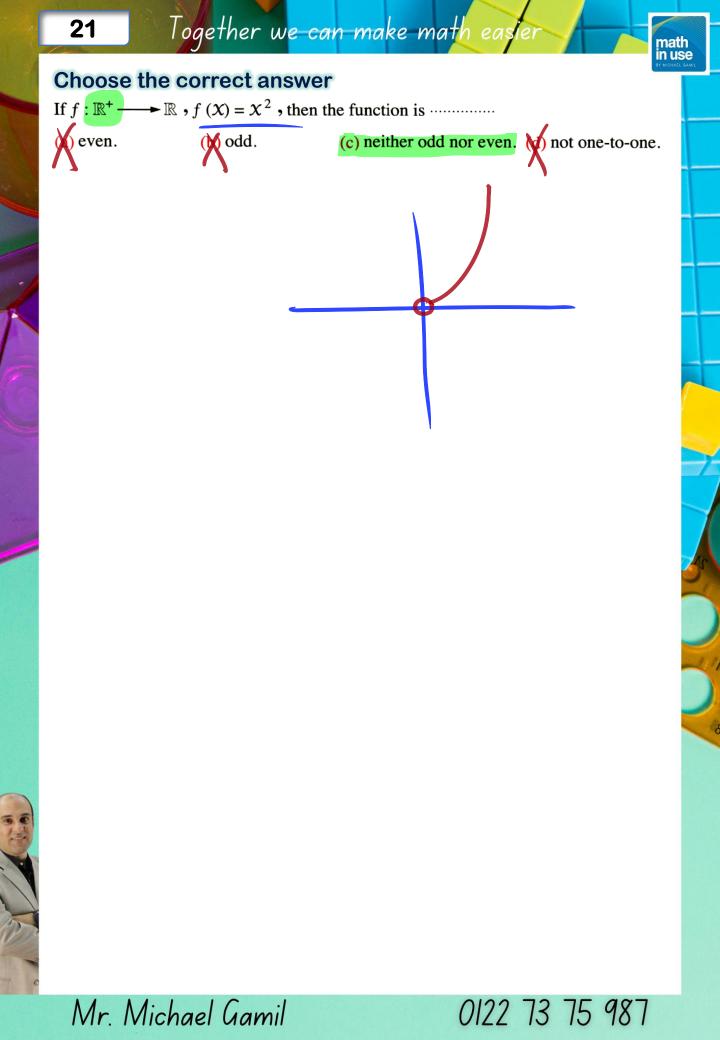


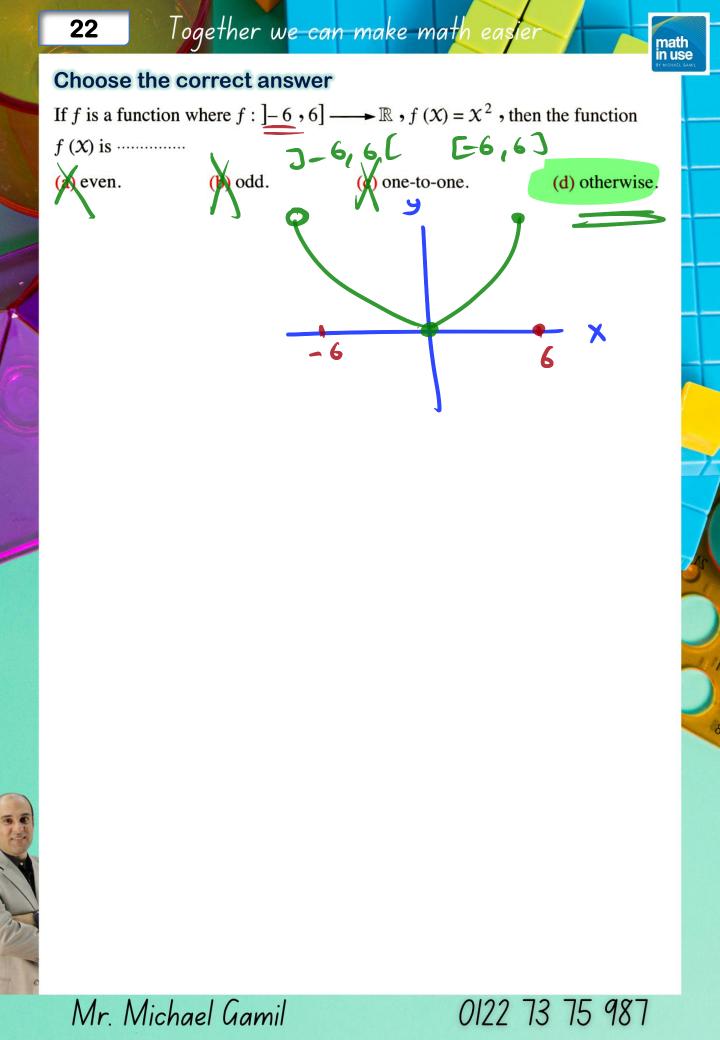


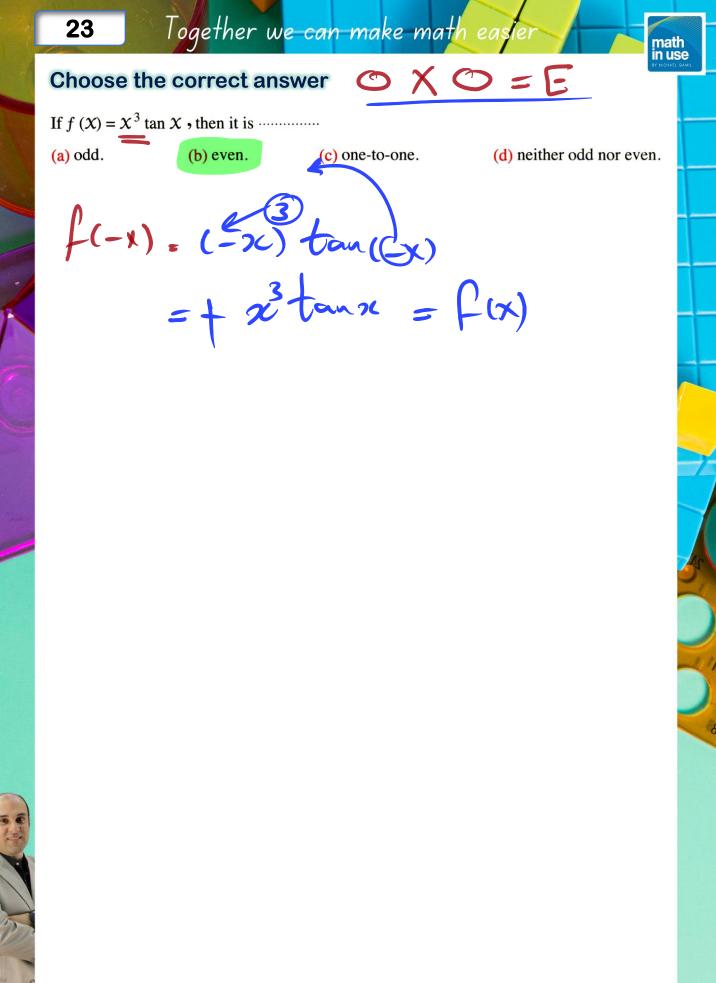
0122 73 75 987

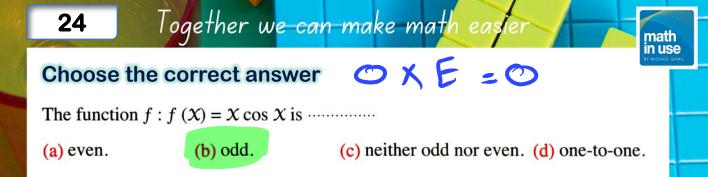
20 Together we can make math easier
Choose the correct answer
If
$$f(x) \xrightarrow{3x+2}, g(x) = 2x + k \text{ and } (f \circ g)(x) = (g \circ f)(x), \text{ then } k = \dots$$

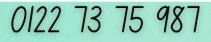
(a) (b) (c) (c) (c) (d) (d) (d) (f - 1)(x) = (f - 1



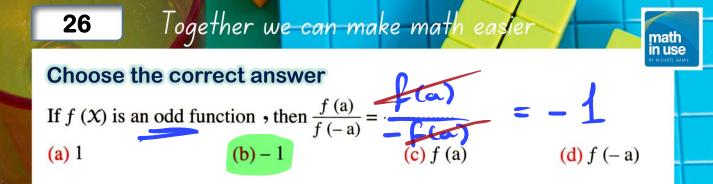


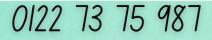


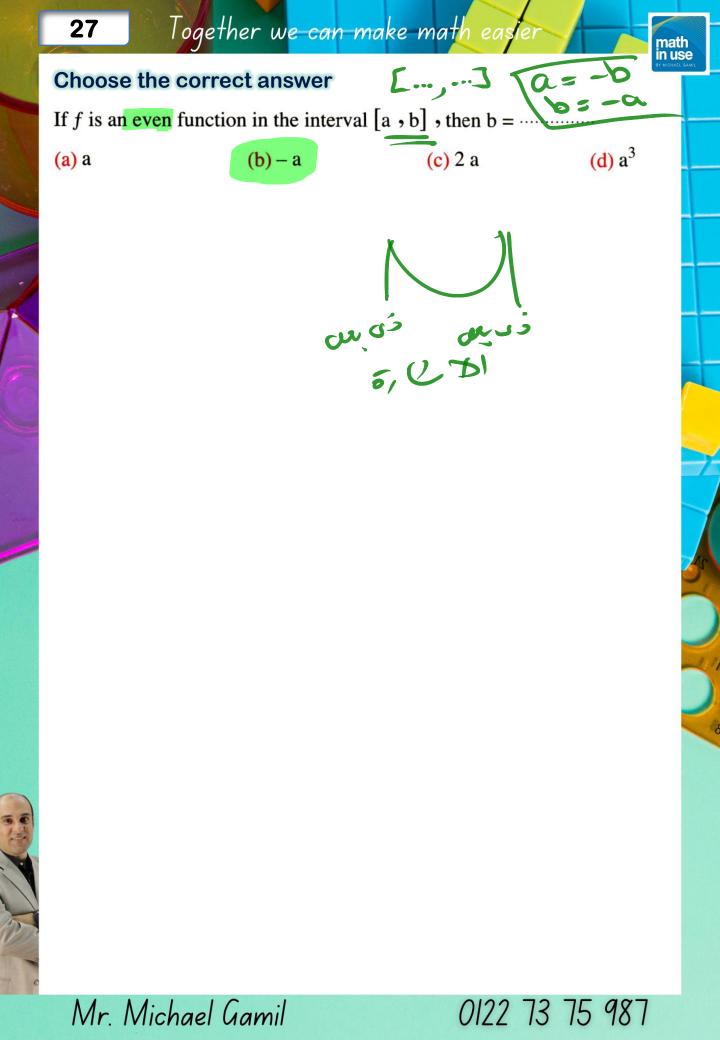


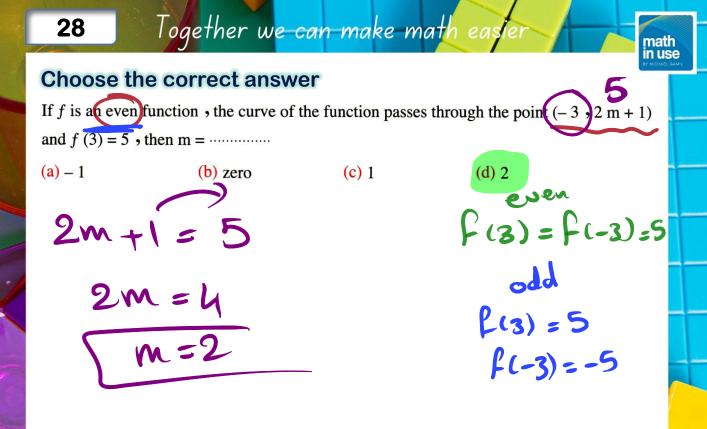










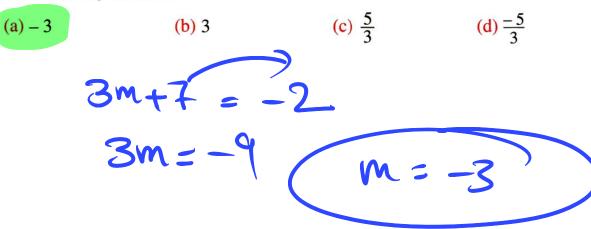


0122 73 75 987

Together w<mark>e can make math easi</mark>e

Choose the correct answer

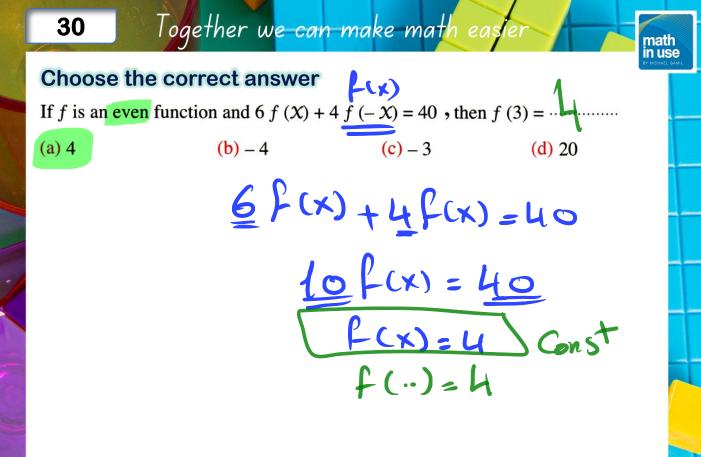
If f is an odd function and f(1) = 2, the point (-1, 3m + 7) lies on the curve of the function f, then m =

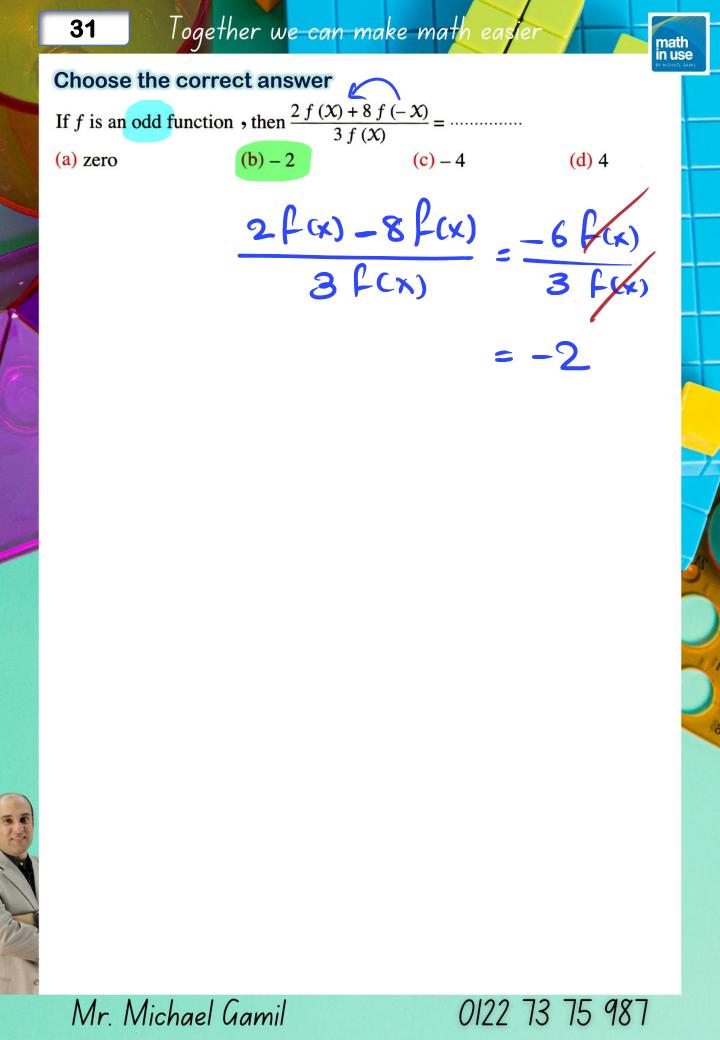


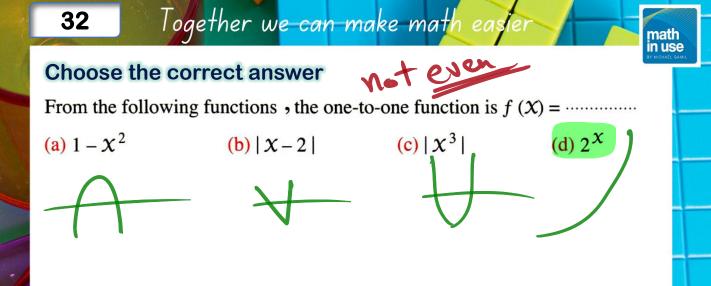
Mr. Michael Gamil

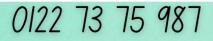
0122 73 75 987

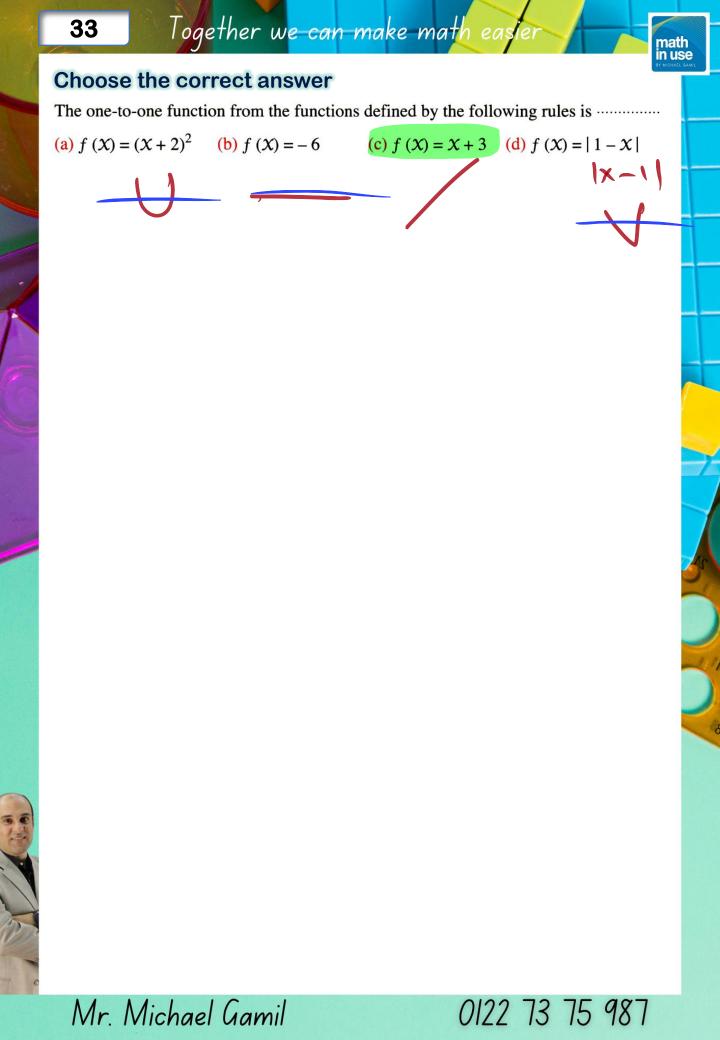
math in use

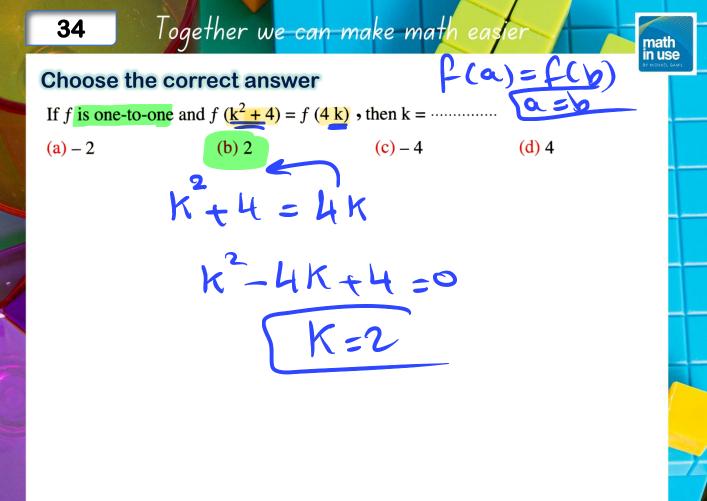


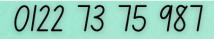


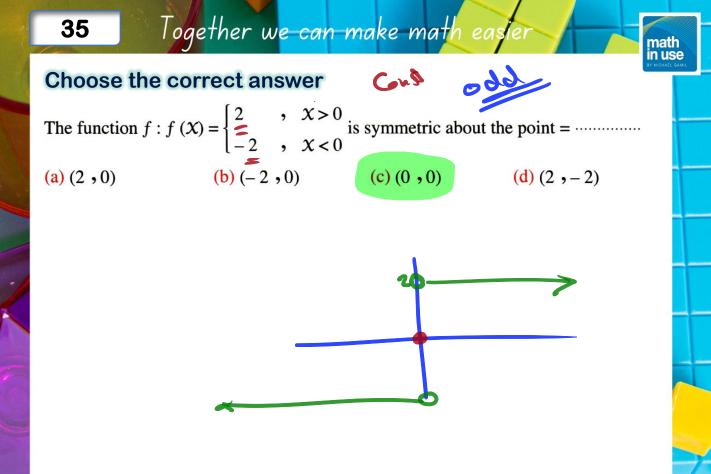




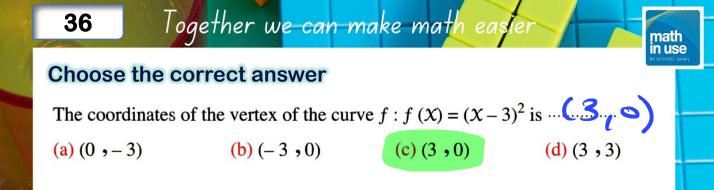


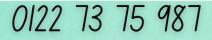


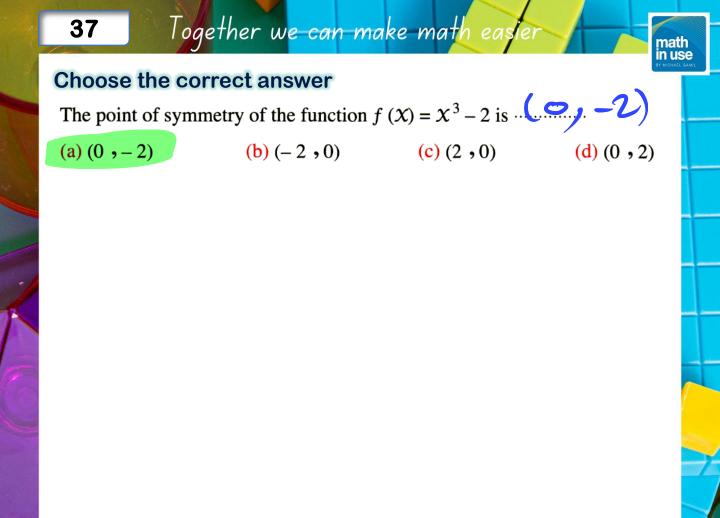


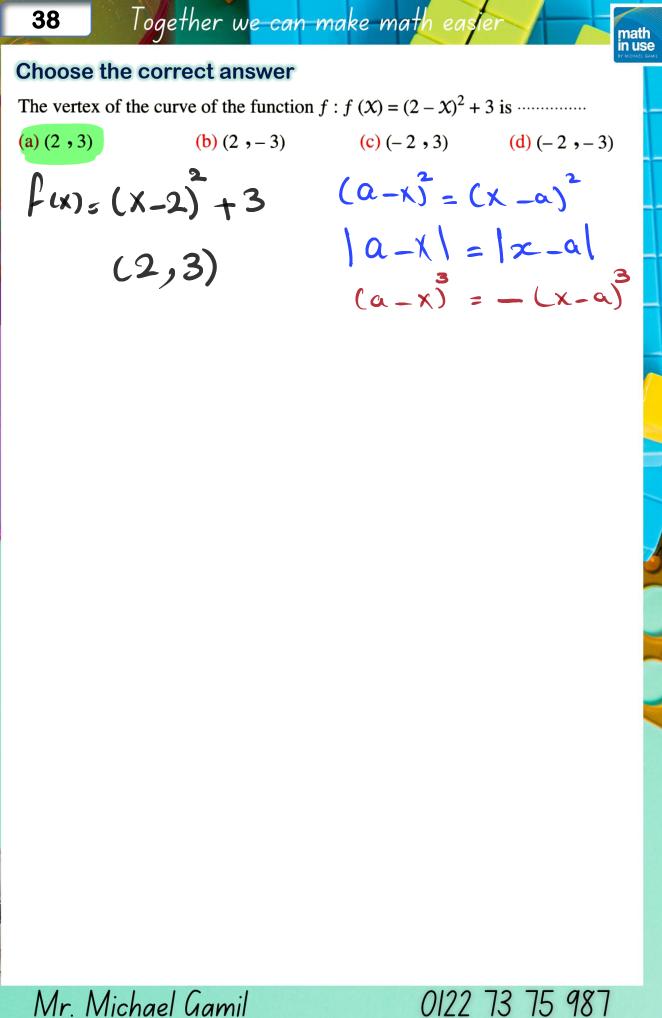


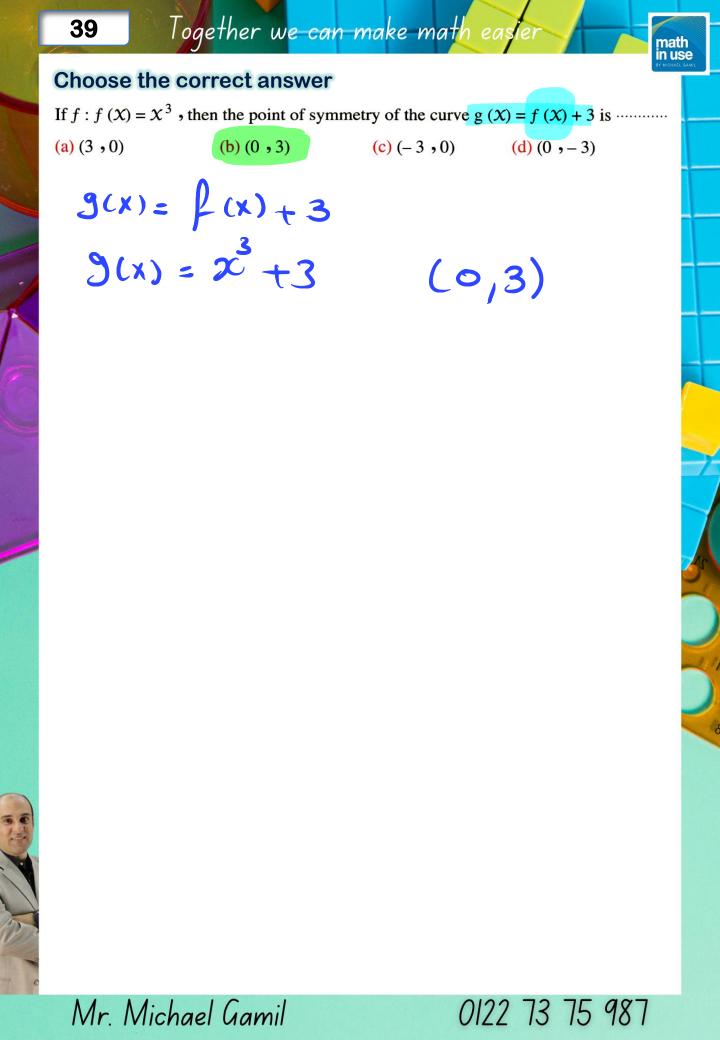
0122 73 75 987

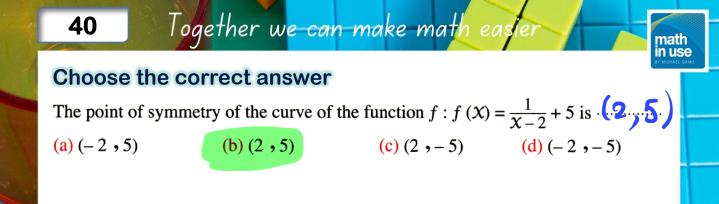


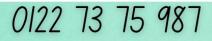


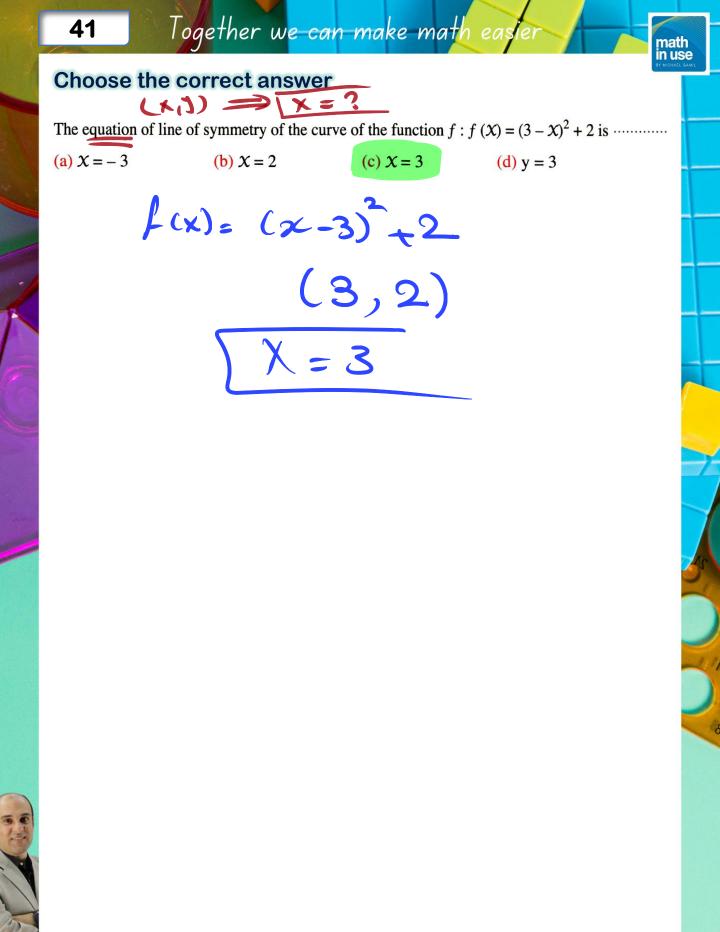












Choose the correct answer

(3,2)

X = 3

The axis of symmetry of the equation f: f(X) = |X - 3| + 2 is the straight line whose equation is

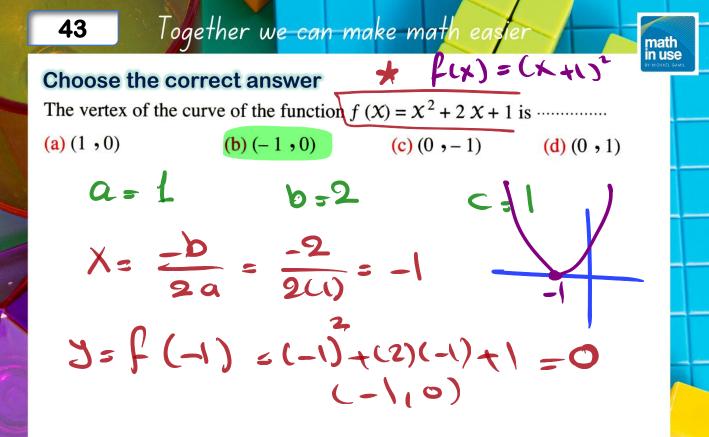


42

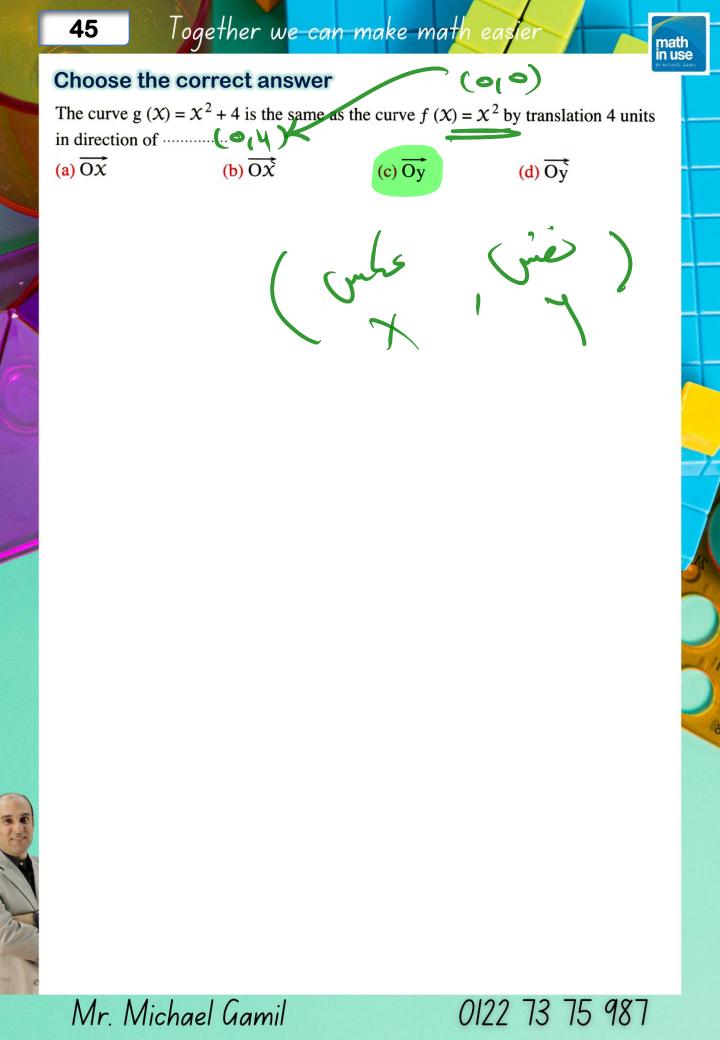
(b) X = 2 (c) X = -3 (d) y = 3

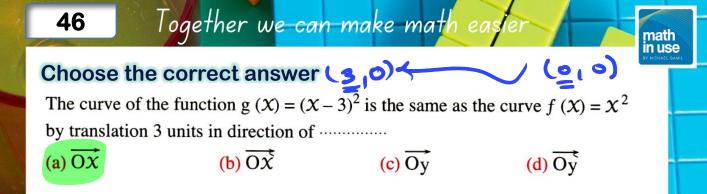
math in use

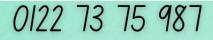
Mr. Michael Gamil

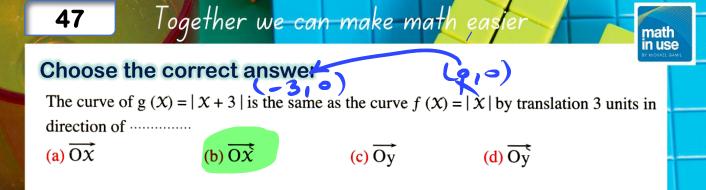


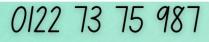
Together w<mark>e can ma</mark>ke math easier 44 math in use Choose the correct answer $f(x) = \frac{1}{x-b} + C \Rightarrow (b,c)$ The point of symmetry of the curve of the function $f: f(X) = \frac{2X+1}{X-1}$ is (a) (2,0) **(b)** (2, 1) (c) (0, 1)(d)(1,2) $f(x) = \frac{2x-2+1+2}{x-1}$ = 20340 3 x-1 $\frac{3}{x-1}$ (1, 2) $f(x) = \frac{3}{x-1}$ (1,2) Mr. Michael Gamil 0122 73 75 987



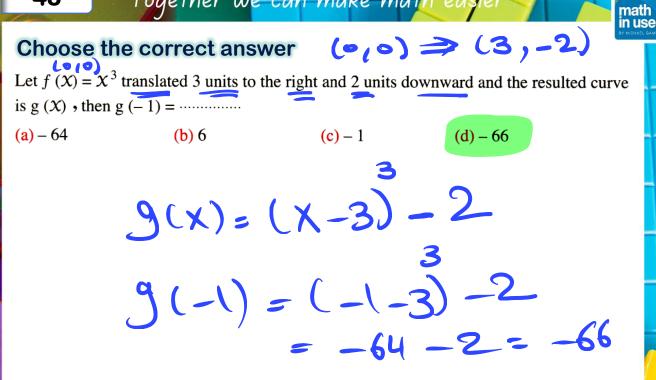




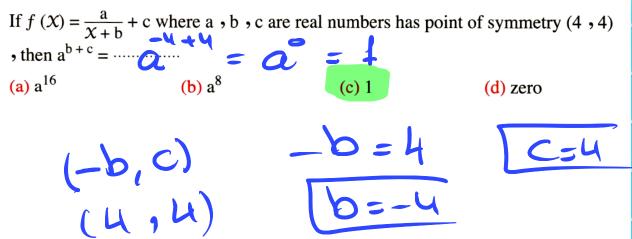




48



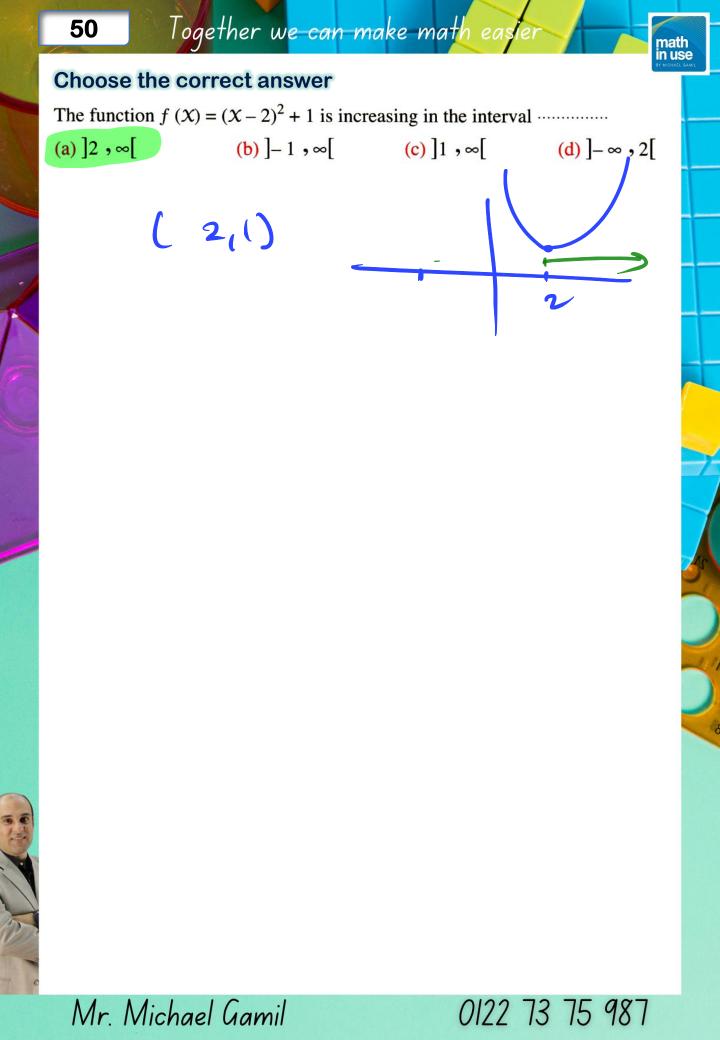
Choose the correct answer

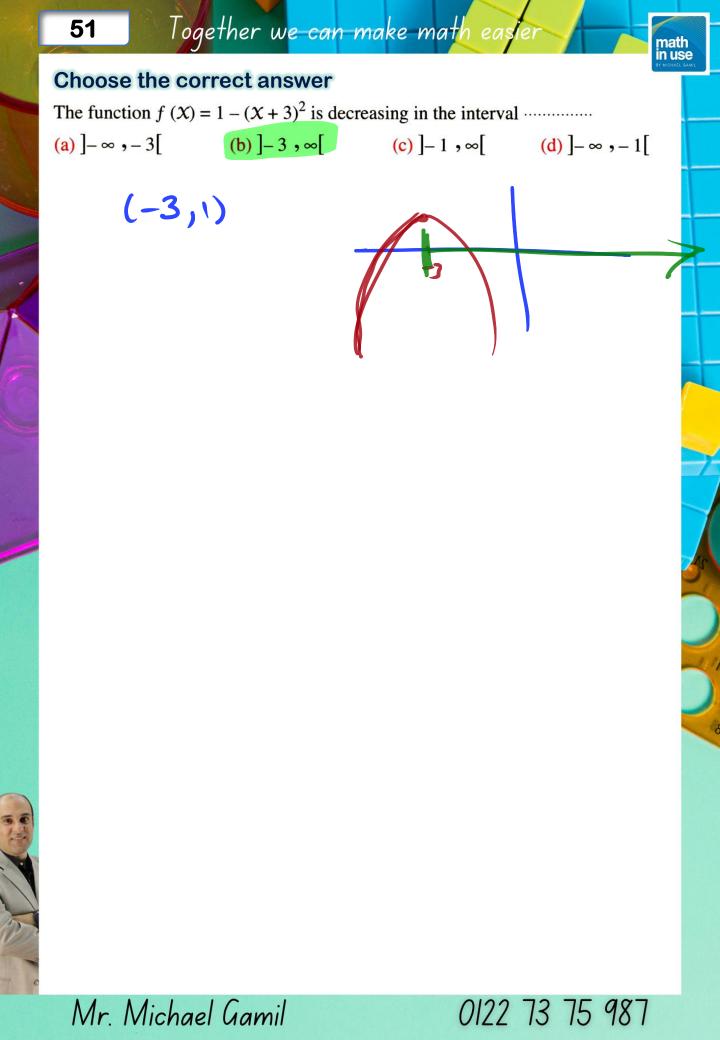


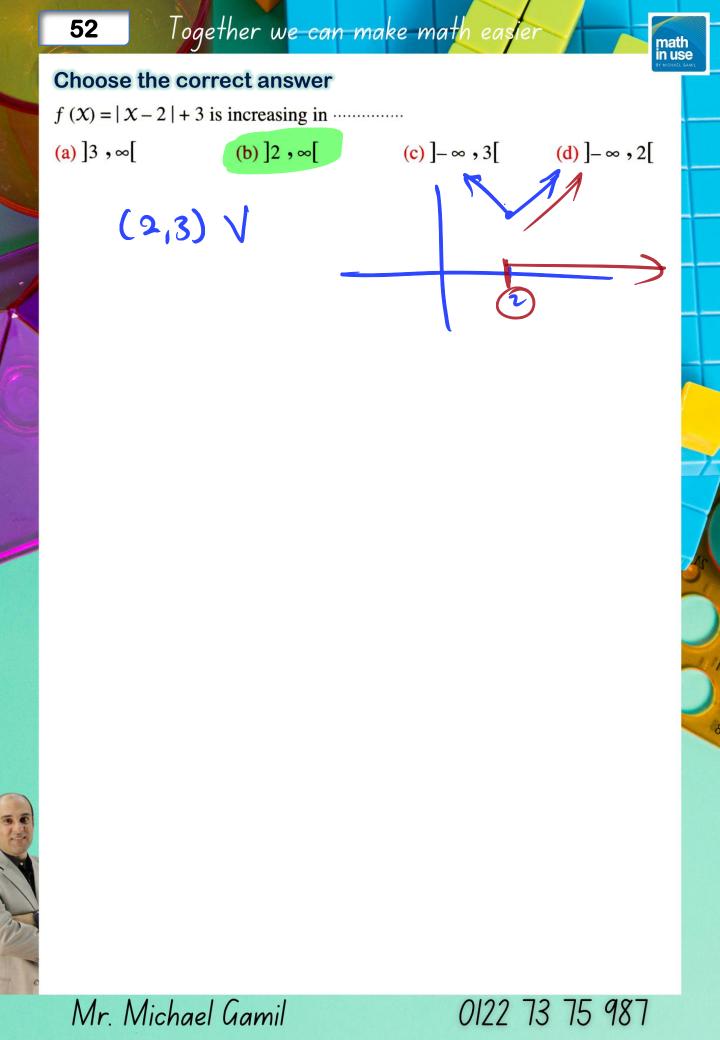
Mr. Michael Gamil

0122 73 75 987

math in use



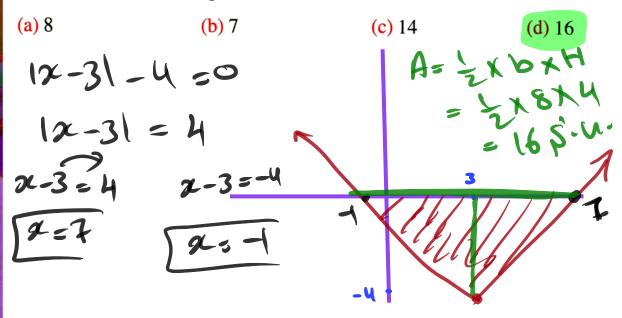




Together w<mark>e can make math easi</mark>er

Choose the correct answer

53

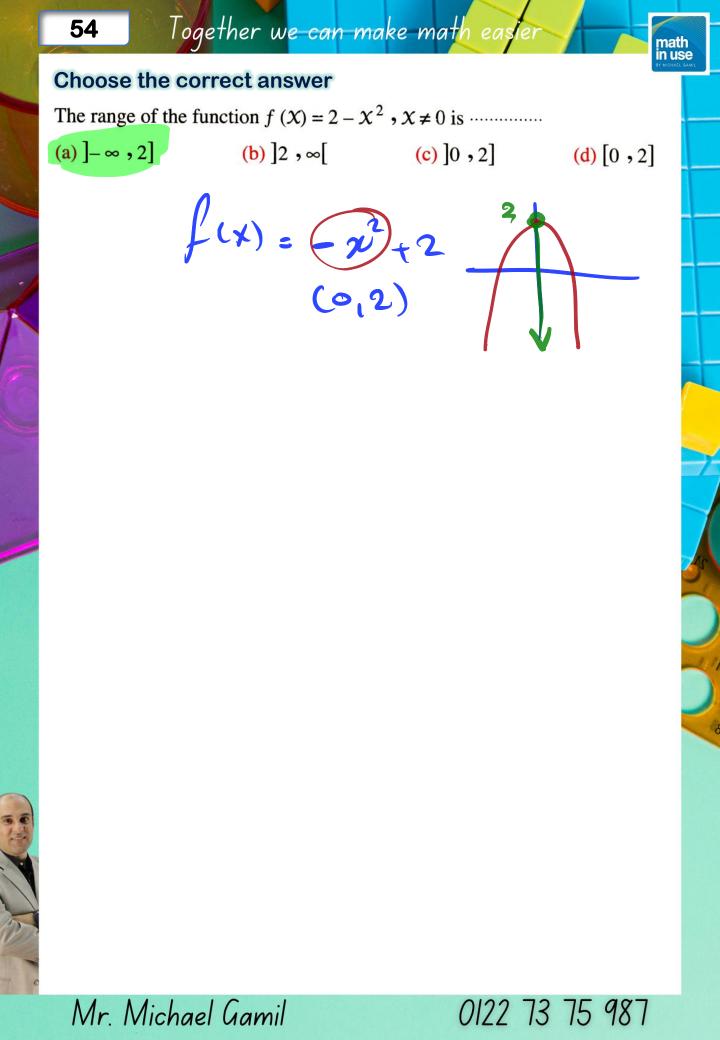


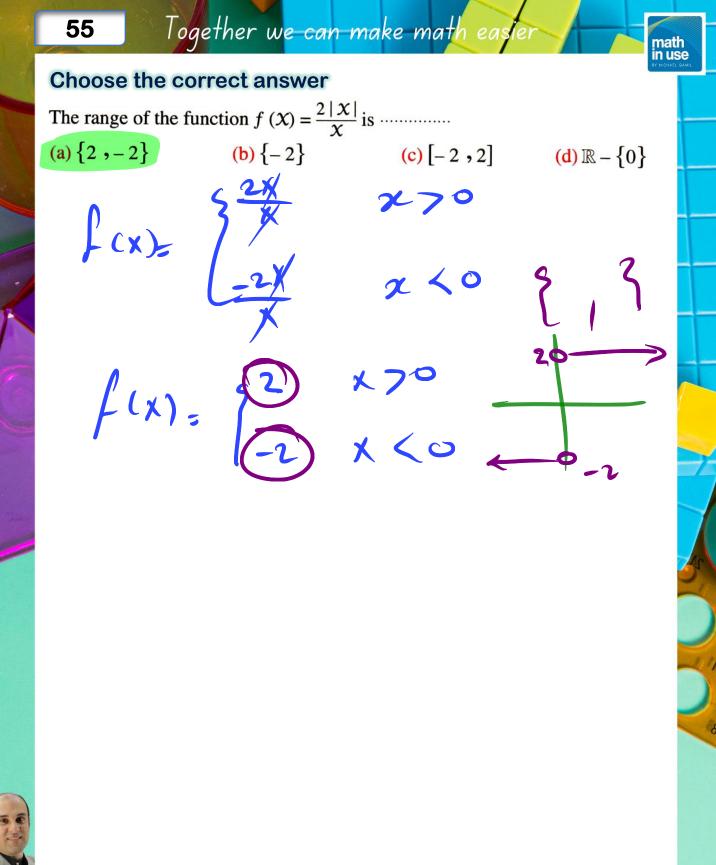
Mr. Michael Gamil

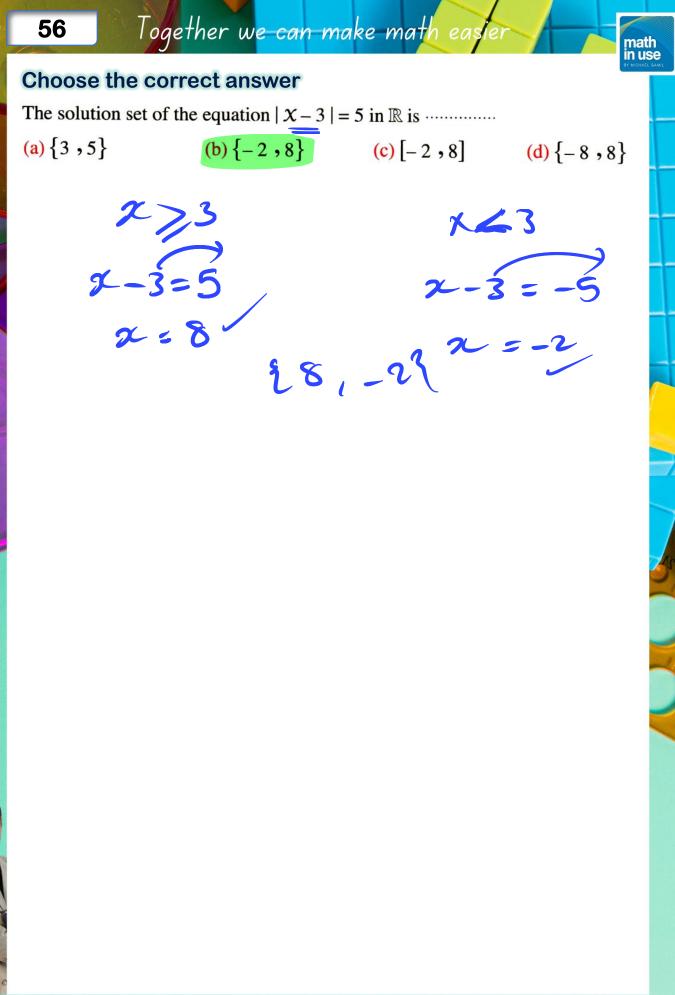
0122 73 75 987

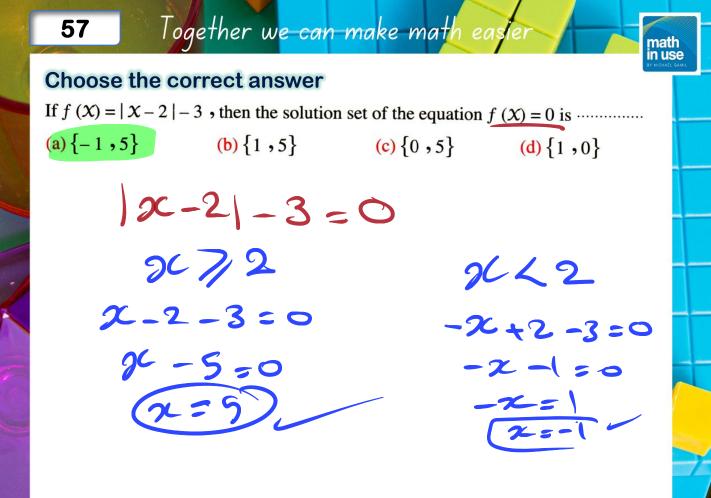
math in use

(3, -4)

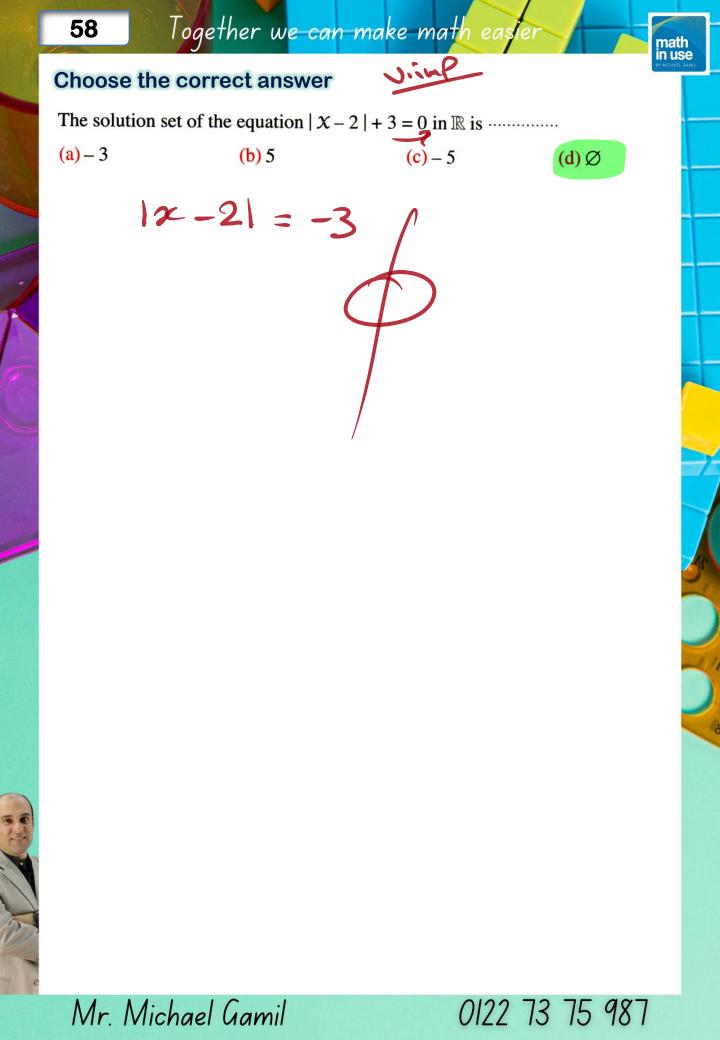


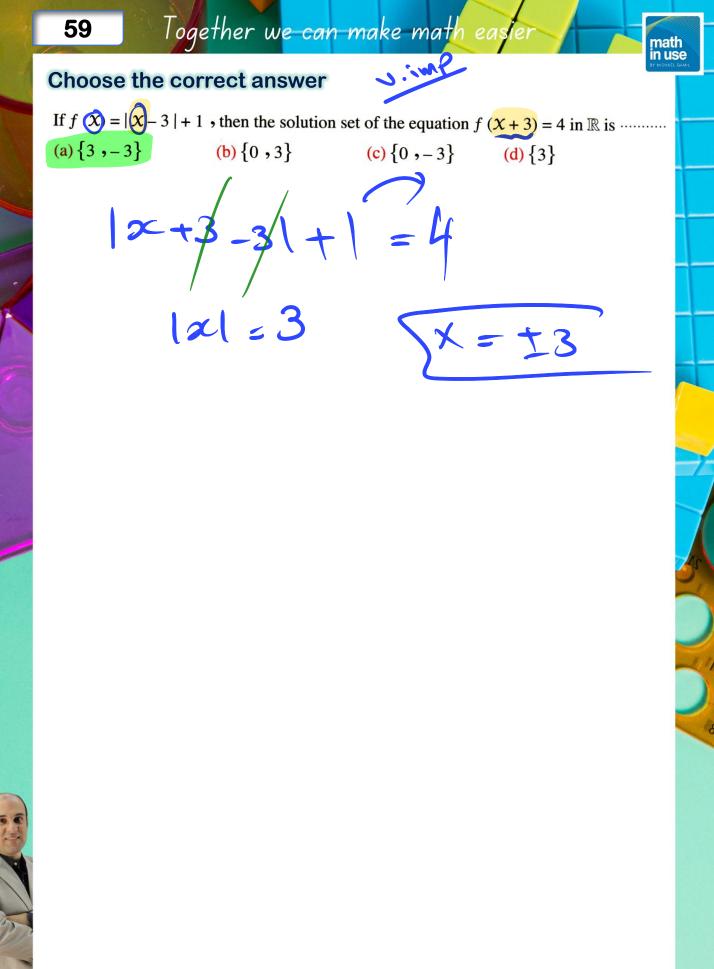




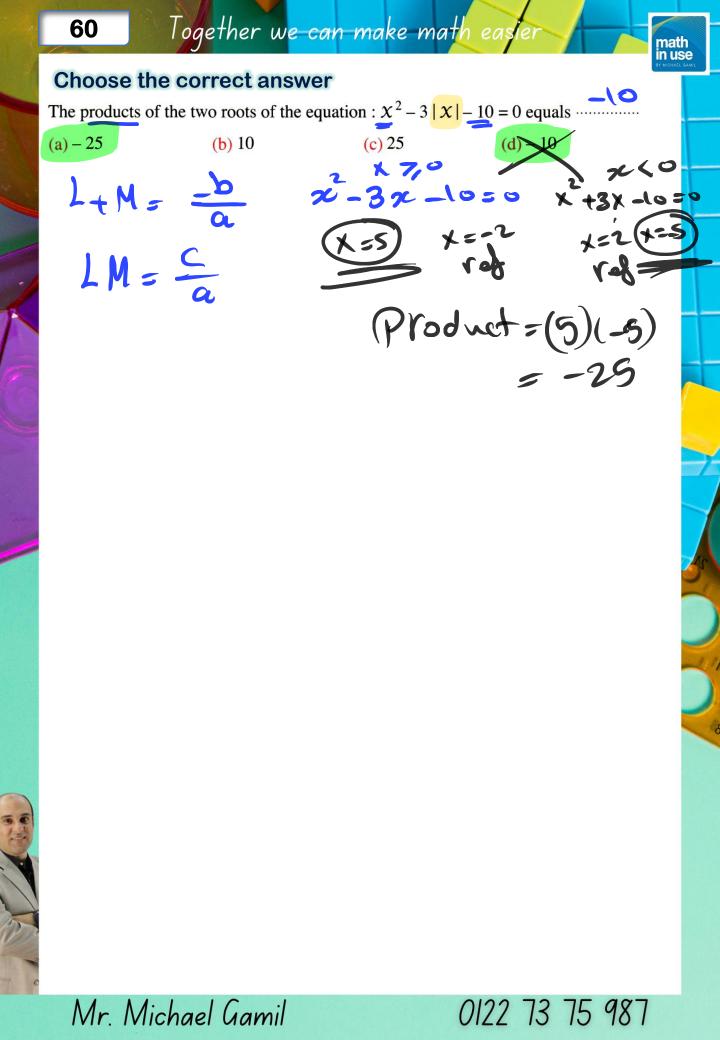


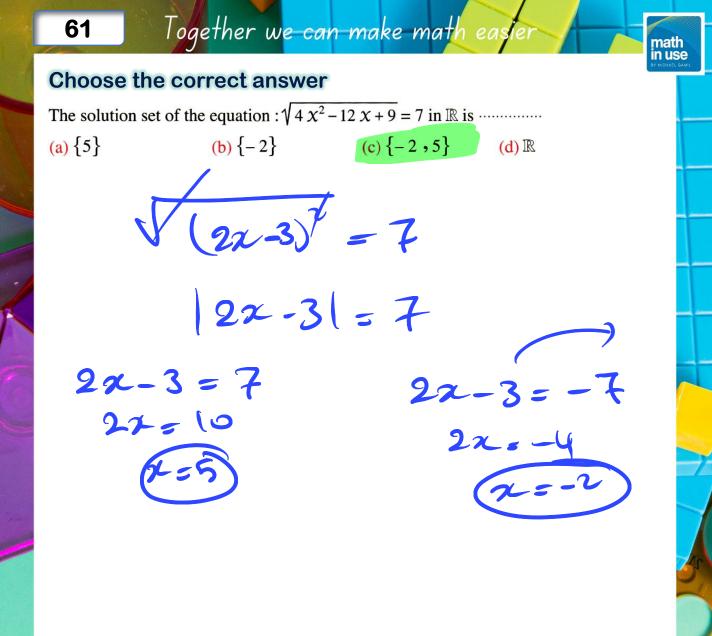
0122 73 75 987

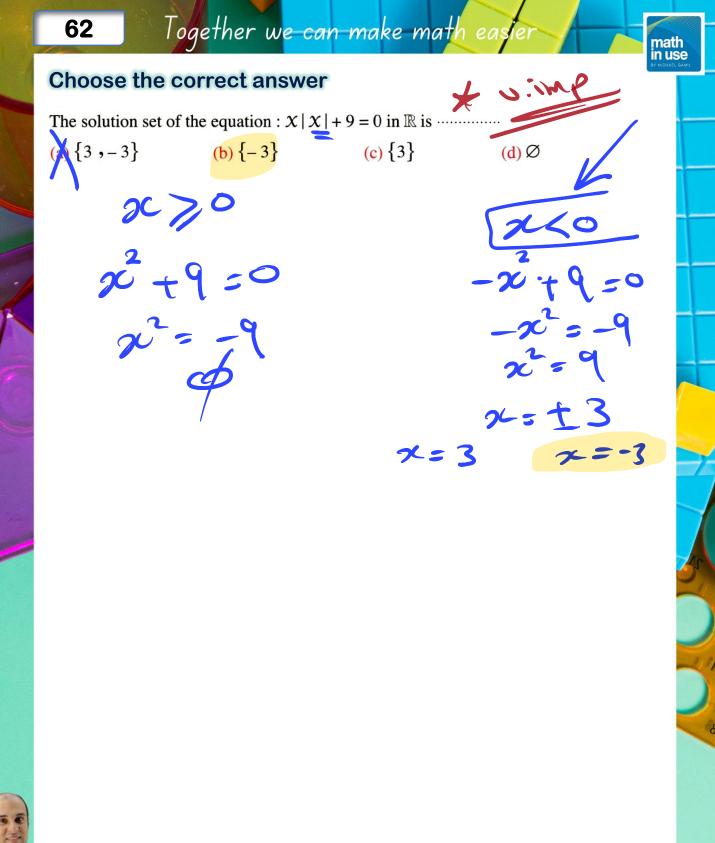




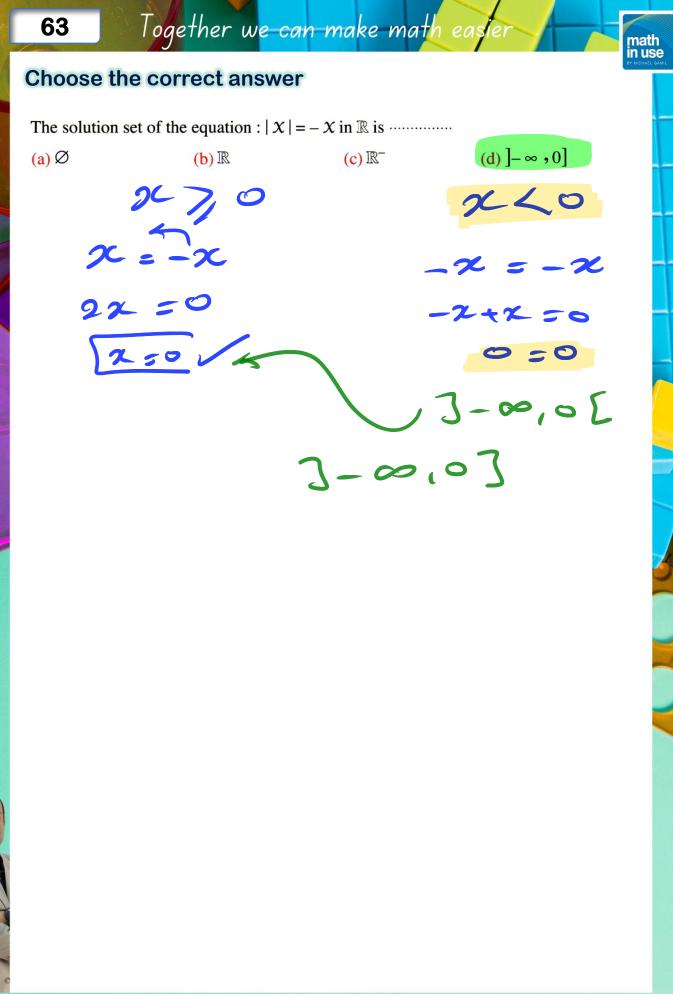
0122 73 75 987

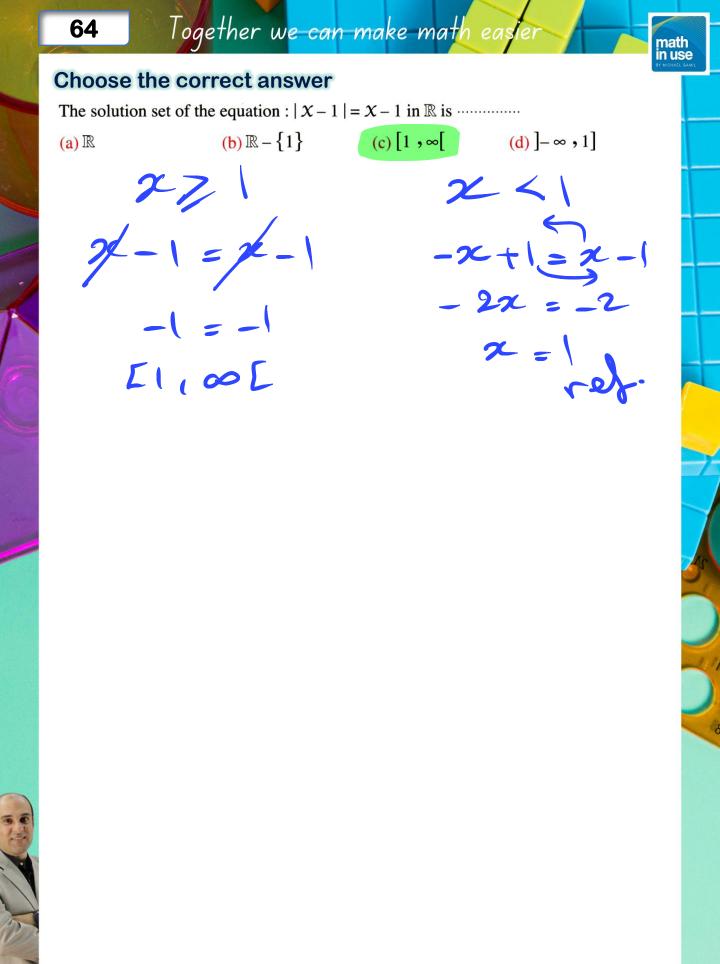






0122 73 75 987





Choose the correct answer

65

The solution set of the equation : |X - 3| = 2 X + 9 in \mathbb{R} is

(a) $\{-11\}$ (b) $\{-2\}$ $\mathcal{X} \supset \mathcal{J}$ $\mathcal{X} - \mathcal{J}$ $\mathcal{X} - \mathcal{J}$ $\mathcal{X} - 2\mathcal{X} = 2\mathcal{I} + \mathcal{J}$ $\mathcal{X} - 2\mathcal{I} = 2\mathcal{I} + \mathcal{J}$ $\mathcal{I} = -\mathcal{I} = 12$

Mr. Michael Gamil

0122 73 75 987

math in use

(c) $\{-2, -11\}$ (d) \emptyset

2 < 3

-x - 2x = 9 - 3

 $-3\chi = 6$ $\chi = -2$

-x+3=2x+9

