

New Maths GCSE: A7 - Inverse Functions

Name:...... Date:.....

f(x) = 4x - 1

What does $f^{-1}(x)$ equal?

- 1-4x
- $\frac{x+1}{4}$
- $\frac{1}{4x-1}$
- $\frac{x}{4}+1$

(Correct	: Answ	er:	Α	В	C	D

Explanation:

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g(x) = 3 + 2x

What does $g^{-1}(x)$ equal?

- $\frac{1}{3+2x}$
- $\frac{x}{2}-3$
- $\frac{x-3}{2}$
- 2+3x

Correct Answer: A B C D

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$$g(x) = \frac{x}{3} + 2$$

What does $g^{-1}(x)$ equal?

- 3x 2 $\frac{3}{x} + \frac{3}{x}$
- 3x-6 $2-\frac{x}{3}$

Explanation:	

$$h(x) = \frac{x-1}{5}$$

What does $h^{-1}(x)$ equal?

- 5x + 1
- 5x + 5
- 5x 1

Explanation	n:	

Correct Answer: A B C D

f(x)) =	_x 2	4	16
	,	20		TO

What does $f^{-1}(x)$ equal?

- x-4 B $\sqrt{x-16}$

Correct /	iswer: A B C D	
Explanat		

f(x)	=	2x	-	1,	so	f^{-1}	(3)	=
(A)	1							

Correct Answer: A B C D
Explanation: