

NOM, Prénom :

Test niveau fin de 3^{ème} sans parole

Calculatrice autorisée

1**a)**

$B = 2(x + 3) = 2x + 6$

$$F = (2x - 1)(3x + 5) + (2x + 3)^2$$

F =

?

.....
.....
.....

**b)**

$C = 8x + 4 = 4(2x + 1)$

$$G = 14x^2 - 21x$$

G =
.....

**x ?**

c) $8x + 11 = 2x - 7$

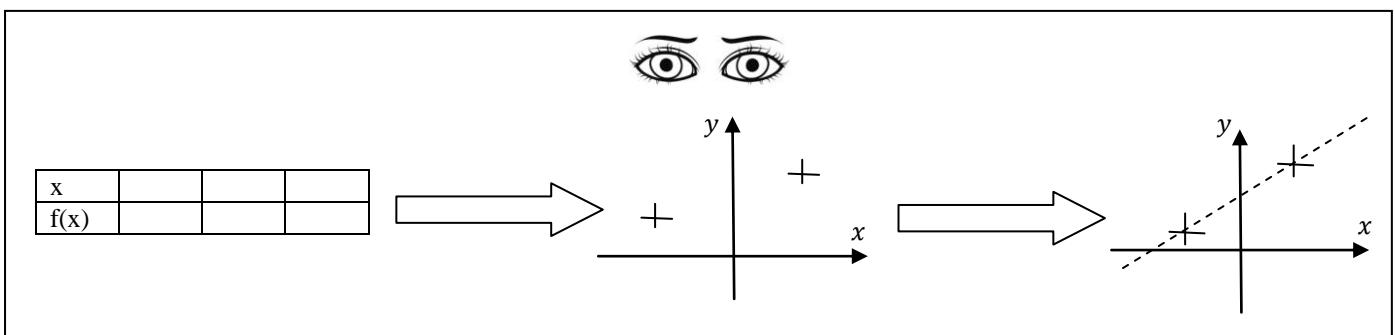
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d) $x^2 - 16 = 0$

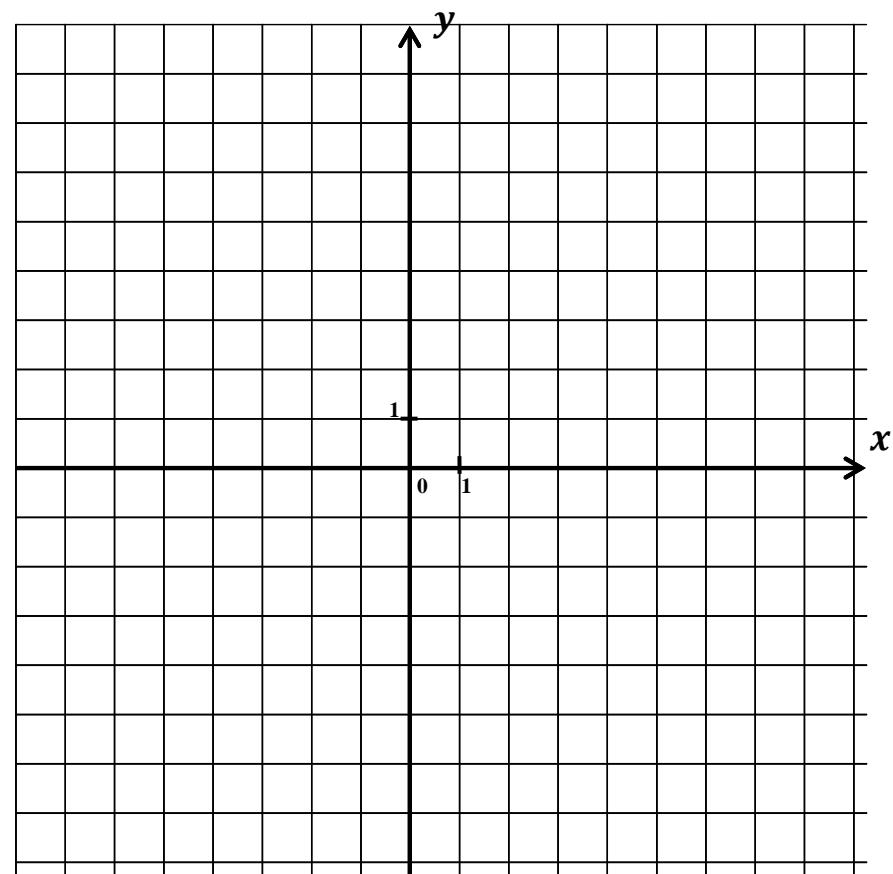
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2

1) $f(x) = 4x - 3$

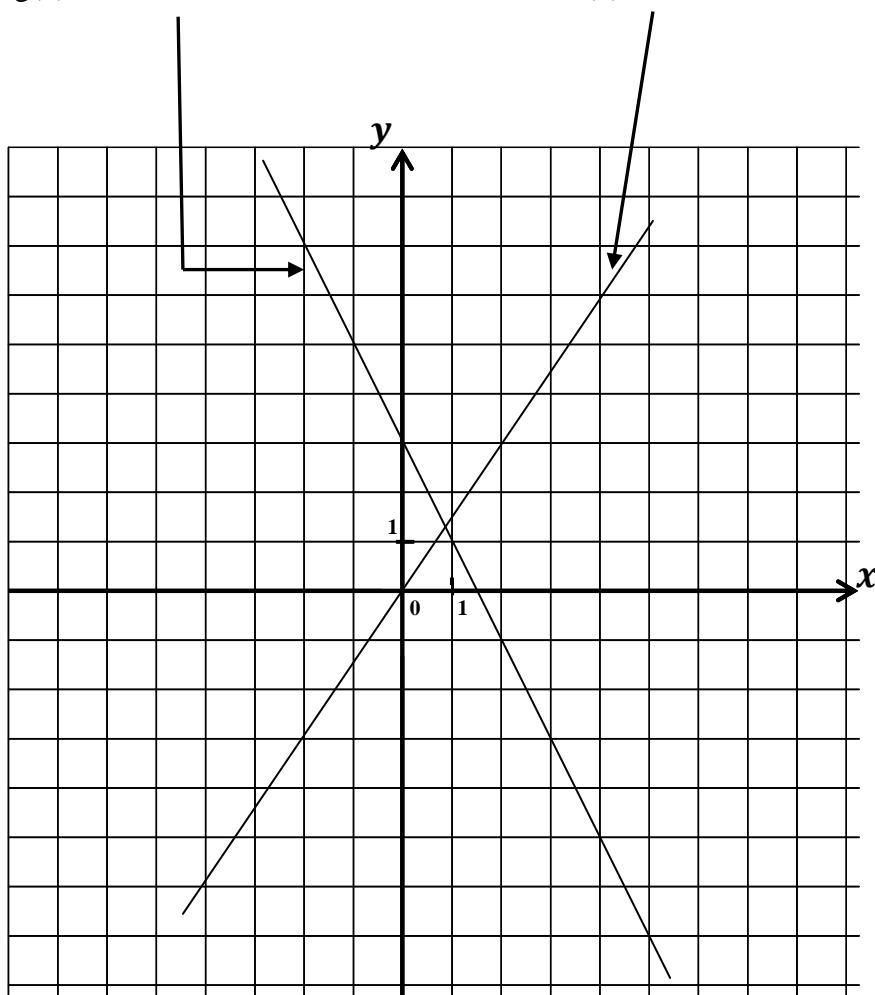
x	-1	0	?.....	3
f(x)	?.....	?.....	5	9



2)

$$g(x) = -2x + b$$

$$h(x) = ax$$



$$g(x) : \quad b = ? \dots \dots \dots$$

$$g(x) = -2x + \dots \dots \dots ?$$



$$h(x) : \quad a = ? \dots \dots \dots$$

.....
.....
.....



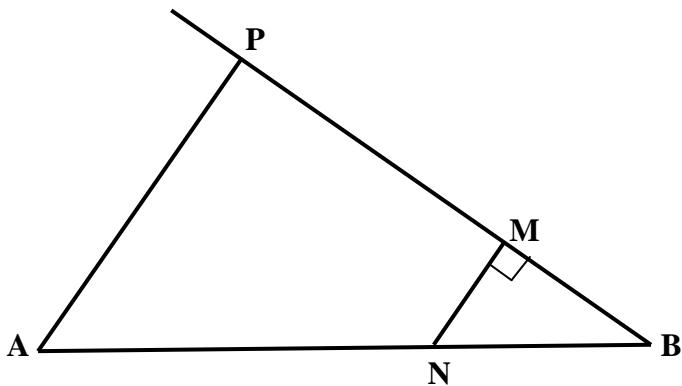
$$h(x) = \dots \dots \dots x ?$$



3

$$[AB] = 9 \text{ cm}; [BN] = 3 \text{ cm}; [BM] = 2,4 \text{ cm}$$

$$(PA) \parallel (MN)$$



a) $[MN]$?

.....
.....
.....
.....



$MN = \dots$

b) \widehat{NBM} ? $(\sin ? \cos ? \tan ?)$

.....
.....
.....
.....



$\widehat{NBM} = \dots$

c) $[AP]$?

.....
.....
.....
.....



$AP = \dots$