Test 1 Solution Guide - pg 1

y=nt' y=-2.0+6 x-int 3,to y=6 y-int 3,etc sraph 4,etc

2. 3x+z=23 -z - z + pt 3x = z! x=7 2pts answer

3. 5x+1=2x-17 5x=2x-18 -2x-2x 3pto subtract
<math display="block">3x=-18 3pto divide 3pto answer
<math display="block">x=-6

4. y-y, $= m(x-x_1)$ pt-slope y-s=3(x-z) Spts eqn y-s=3x-6 2 pts plugin y-s=3x-1 3 pts solve y.

y=meth solve h Spts egn 2 pts physin 2 pts solve L 1 pt wr. he egn

Test 1 Soln Guide pg 2

S. a)
$$m = \frac{y=-y_1}{x_2-x_1} = \frac{12-3}{4-1} = \frac{9}{3} = \frac{3}{3} = \frac{3}{4} + \frac{2pt_1}{2pt_2} = \frac{4pt_1}{2pt_2}$$

c)
$$y-3=3(x-1)$$
 3 ts
 $y-3=3x-3$
 $y=3x+0$

$$6.0f(2) = 2 + 3.2 + 1
3 = 4 + 6 + 1
= 11)$$

$$6.0f(2) = 2 + 3.2 + 1
9 + 9 + 1
19)$$

$$4 c) f(-1) = [-1]^{2} + 3[-1] + 1$$

$$= [-3]$$

$$= [-1]$$

Test 1 Soln Guide pg 3

10 pt 8. 4x + 2y = 16 - 3 Subtract x

-9x -1x 3 divide by 2

2y = -4x + 16 2 Simplify
2 find mile

y = -2x + 8

m=2 y-nd=8

So I has slope - =

Spte rend slape 3 pts m_= - In formula 2 pts answer

4 (0,0) Ptc (0,6) (4,0) $m = \frac{4-9}{x-x} = \frac{0-8}{4-6} = \frac{-8}{4} = \begin{bmatrix} -2 \\ 4 \end{bmatrix}$ 3 L) x-mt 4

3 c) 4-int 8

Vouel = off = . - . - .