Homework explydia - not a function +, Eugene - Suppoctive - Injective rick 4 = x+1; 9=20+1; if x=3; if x=1; y = 20 +13 y= 2 y==-2 9=1+1; gr=x+1 is not a function. 4:2; g = x2+1 - function; 1. H- is surjective, no missing f, h - injective functions; 5) f(x) = / g(x) = 1 - 2; f(g(x))= 1 = -202) $f(x) = \frac{1}{x+2} g(f(x)) = \frac{1}{(x+2)}$ f(g(x))=x, 6) $\begin{cases} (x) = 2 + \delta x - 4'; \\ y = 2 + \delta x - 4'; \end{cases}$ (y=-2)=x-4; x = (9-2)244)

 $(x) = (x-2)^2+4$

$$C = \frac{5}{5}(F-32);$$

$$\frac{9}{5}C = \frac{5}{5}(F-32);$$

$$\frac{9}{5}C = F-32;$$

$$-F = -32 - \frac{9}{5}C = f^{-1}(C)$$

$$8) \quad g(x) = 2\sqrt{x-4};$$

$$\chi = 470;$$

$$\chi = 470;$$

$$\chi = (4) = 2\sqrt{5}$$

$$\chi = (5) = 2\sqrt{5}$$

$$\chi = (5) = 2\sqrt{5}$$

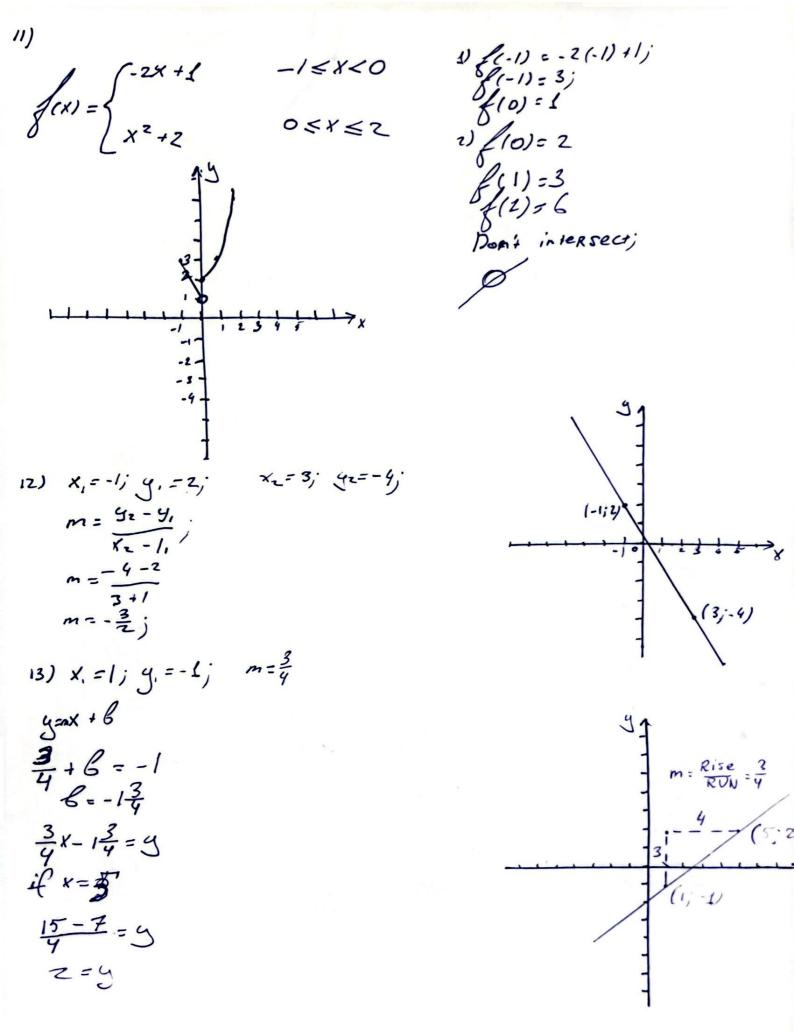
$$\chi = (6) = (7)$$

$$\chi = (7) = (7)$$

$$\chi = (1) = (7)$$

$$\chi = (7) = (7)$$

$$\chi =$$



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$$g(-1)=4;$$

$$g(-1)=4;$$

$$g(-1)=4;$$

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

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18)
$$(g-f)(x)-7$$
 $f(r)=x-1$; $g(r)=x^21$; $(\frac{g}{7})(x)-7$ $(g-f)(x)=g(r)-f(r)$; $g(r)-f(r)=x^2-1-x+1$; $(g-f)(x)=x^2-1$; $(\frac{g}{7})(x)=x^2-1$; $(\frac{g}{7}$

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24)
$$(4x+2y=4)$$
 $6x-2+2x=8$
 $(5x-9=8)$ $8x=10$
 $2y=4-6x$; $x=\frac{5}{4}$
 $y=2-2x$
 $(\frac{5}{4};-\frac{1}{2})$ $2y=-\frac{1}{2}$
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 $(\frac{3}$

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7)
$$f(x) = 3x^{2} + 5x - 2$$
;
 $f(0) = -2$
 $3x^{2} + 5x - 2 = 0$
 $(3x - 1)(x + 2) = 0$
 $3x - 1 \neq 0 \times = -2$
 $x = \frac{1}{3}$
 $y - 1 + 1 + 1 = 0$
 $x - 1 + 1 + 1 = 0$
 $x - 1 + 1 + 1 = 0$
 $x - 1 = 0$

31)
$$2x^{4} > 3x^{3} + 9x^{2}$$
;
 $2x^{4} - 3x^{3} - 9x^{2} > 0$;
 $x^{2}(2x^{2} - 3x - 9) = 0$;
 $x^{2}(2x+5)(x-3) = 0$;
 $x \neq 0$, $x = -\frac{3}{2}$, $x \neq 3$
 $(-\infty) -\frac{3}{2}$) $U(3,\infty)$
32) $\begin{cases} (x) = -\frac{1}{2}[4x - 9] + 3; \\ -\frac{1}{2}[4x - 9] + 3 < 0; \\ -\frac{1}$