

$$(6) (5-2i)(?) = 29$$

$$\boxed{5+2i}$$

$$(7) |x-3| > 4 \quad \text{Graph}$$

$$x-3 > 4$$

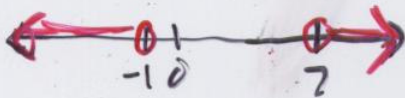
$$+3 \quad +3$$

$$x > 7$$

$$x-3 < -4$$

$$+3 \quad +3$$

$$x < -1$$



$$(8) y = x-3 \quad \& \quad x-y = 4 \quad \text{Solution}$$

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

$$3 = 4 ?$$

$\boxed{\text{No solution}}$

$$(9) y > x-2 \quad \& \quad 2x-y \geq 3 \quad \text{Graph}$$



$$\boxed{y > x-2}$$

$$2x - y \geq 3$$

$$-2x \quad -2x$$

$$-y \geq -2x + 3$$

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

$$\boxed{y \leq 2x-3}$$

$$(10) g(x) = x - x^2 \quad g(g(x))$$

$$(x-x^2) - (x-x^2)^2$$

$$(x-x^2) - (x-x^2)(x-x^2)$$

$$x-x^2 - (x^2-2x^3+x^4)$$

$$\boxed{-x^4 + 2x^3 - 2x^2 + x}$$