

Algebra I
Review - Unit 2 Part B

Name _____

① Graph: $\begin{cases} x + y < -2 \\ 4x - y \leq -3 \end{cases}$

② Solve & Graph on a number line.

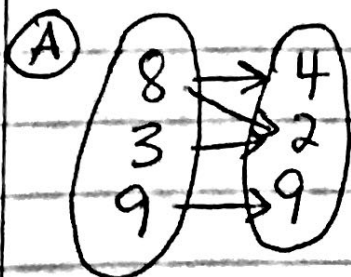
$$-3x + 7 \leq -14$$

③ Find the slope that passes through the points $(-8, 4)(7, 7)$.

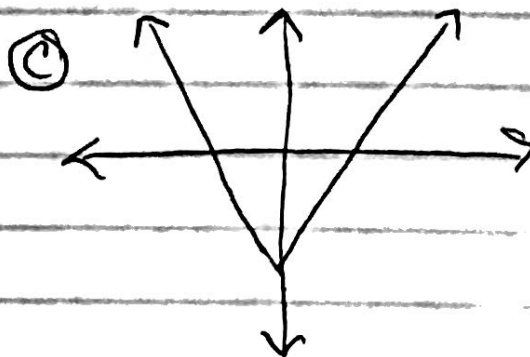
④ Solve & Graph on a number line.

$$-3x + 7 \geq -5x - 3$$

⑤ Is it a function?



Ⓑ $\{(7, 4)(8, 3)(9, 2)\}$



⑥ $h(x) = 5x^2 + 4x + 2$; find $h(-2)$

⑦ $p(x) = 2^x + 4$; find $p(3)$

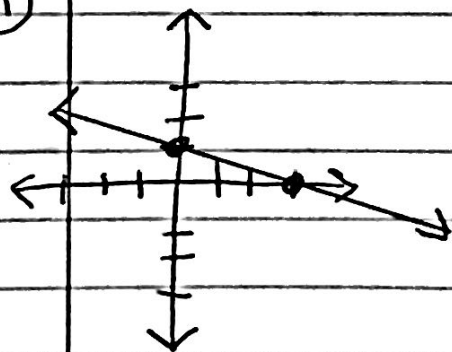
⑧ $f(x) = 7x^2 + 3$; find $f(3)$

⑨ $f(x) = 2x + 9$; $g(x) = 7x + 2$

Ⓐ Find $f(x) - g(x)$ Ⓑ find $g(x) + f(x)$

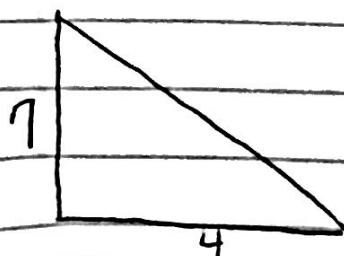
⑩ If the domain of $f(x) = 2x + 1$ is $\{0, 5, 7\}$ find the range.

⑪



Domain:
Range:
x-intercept:
y-intercept:
Slope:
End Behavior:
Interval of Increase
or Decrease:

⑫



Find the Slope:

⑬ Jalen make \$14 per hour babysitting plus a flat rate of \$5 for gas.
Write a function. Name the slope & y-intercept.

⑭ Does the point (2,7) fall on the graph $y = 5x - 3$?

⑮ Find the slope that passes through the points $(-1, 4)$ $(2, 3)$.

⑯ Graph $\begin{cases} x + y \leq 7 \\ x - y \leq 7 \end{cases}$

⑰ $10x + 5 > 12x - 5$ Solve & Graph on a # line.

⑱