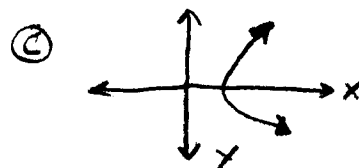
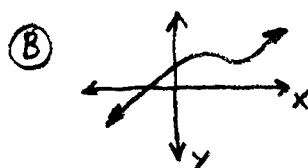
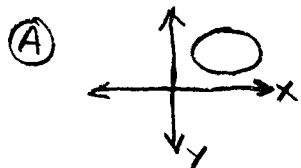


- ①  $5x - 2 < 2x + 1$       ②  $\frac{3}{4}x \leq -2$   
 ③  $5(2x - 3) < -4(x - 2)$       ④  $-8x \geq x - 14$

⑤ For each graph, explain why it is or why it is not a function:



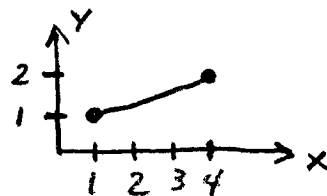
⑥ For each relation, explain why it is or why it is not a function and draw a mapping for each relation.

- ①  $\{(1, 3), (2, -3), (5, 6), (3, 3)\}$       ②  $\{(1, 2), (3, 2), (5, 2), (4, 2)\}$

- ⑦  $f(x) = 2x^2 + 1$        $g(x) = -3x + 5$   
 ①  $f(2) = ?$       ②  $f(-3) = ?$       ③  $g(5) = ?$       ④  $f(2E) = ?$

⑧ Find the range of  $y = f(x) = 2x - 6$  if  $x \in \{-2, -1, 0, 5\}$

⑨ List the domain and range of the line segment shown:



- ⑩ WHAT IS THE SURFACE AREA OF A cube with sides 6 inches?  
 ⑪ WHAT IS THE CIRCUMFERENCE OF A circle if diameter = 4 ft?

Find the slope of the line through each pair of points:

- ⑫  $(-2, 6), (5, 1)$       ⑬  $(1, 0), (-6, 4)$       ⑭  $(8, -8), (2, 4)$       ⑮  $(a, b), (-a, b)$