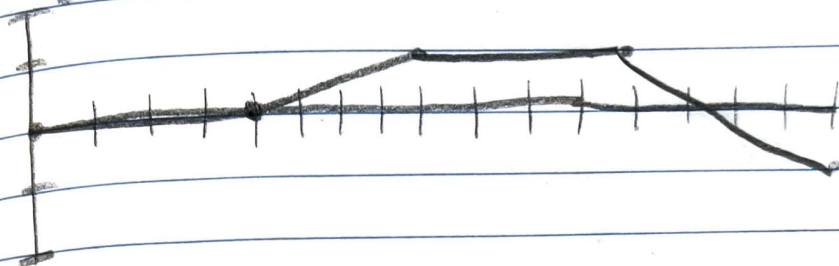
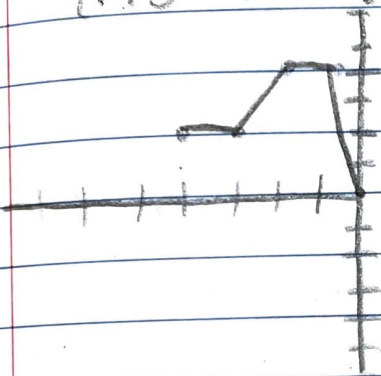


Handout 11

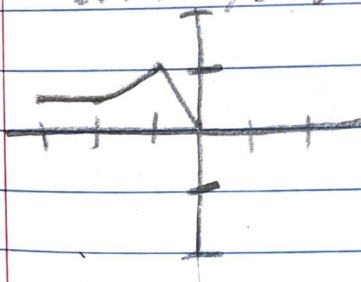
① $\{x | 0 \leq x \leq 16\}$
 $\{y | -1 \leq y \leq 1\}$



② $\{x | -4 \leq x \leq 0\}$
 $\{y | 0 \leq y \leq 4\}$



③ $\{x | -3 \leq x \leq 1\}$
 $\{y | 0 \leq y \leq 1\}$



④ $c(t) = \frac{2}{3} \cdot \frac{2.56(t+2)+35}{1.08(t+2)+45}$

⑤ (a) $2420 + 20x - 0.5x^2 = P(x)$

(b) $80 + 2000x - 60x^2 = P(x)$

⑥ $0.002(1.6x)^2 + 0.005(1.6x) - 0.024$

Horizontal compression by a factor of 1.6

$$(6) f(x) = (x-2)^2$$

$$(8) (a) f(x) = 3^x + 2$$

$$(b) f(x) = -\sqrt{-x+4} - 5$$

$$(c) f(x) = -(2x-12)^2 - 3$$

$$(d) f(x) = |3x-15| + 4$$

$$(e) f(x) = \frac{1}{-x+3}$$