Bathroom breaks are to be taken before class!!

Do NOT move the desk!!

Turn your phone OFF!!

Put your phone up!!

Sit down!! Be quiet!!

Prepare to work!!

Keep your hands to yourself!!

Oct 15-8:10 AM

Chap 3 Sec 4

Pg: 37 - Function Notation

$x = -4, 0, 2 \Rightarrow$ Domain

1) $g(x) = 5x$

$g(-4) = 5(-4) = -20 \Rightarrow (-4, -20)$

$g(0) = 5(0) = 0 \Rightarrow (0, 0)$

$g(2) = 5(2) = 10 \Rightarrow (2, 10)$

Range $\Rightarrow \{-20, 0, 10\}$

$x = -4, 0, 2 \Rightarrow$ Domain

2) $g(x) = 12 - 0.25x$

$y = mx + b$

$f(x) = mx + b$

$g(-4) = 12 - 0.25(-4) = 11 \quad (-4, 13)$

$g(0) = 12 - 0.25(0) = 12 \quad (0, 12)$

$g(2) = 12 - 0.25(2) = 11\frac{1}{2} \quad (2, 11\frac{1}{2})$

Domain $\Rightarrow \{-4, 0, 2\}$ Range $\Rightarrow \{13, 12, 11\frac{1}{2}\}$

Oct 21-11:38 AM

$x = -4, 0, 2$

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

$f(-4) = 12 - 2(-4)^2$

$= 12 - 2(-4)(-4)$

$(-4)^3$

$(-4)(-4)(-4)$

-64

4) a. $n(0) = 8$

Trips ⇒ 0

Collection ⇒ 8

b. $n(3) = 14$

Trips ⇒ 3

Collection ⇒ 14

Got at Store ⇒ 6

Pee Trip ⇒ 2

c) $n(5) > n(3)$

Trips ⇒ 5 Trips ⇒ 3

$n(5) > 14$

5) $b(x) = -3x + 1$; $b(x) = -20$

$-20 = -3x + 1$

$-21 = -3x$

$7 = x$

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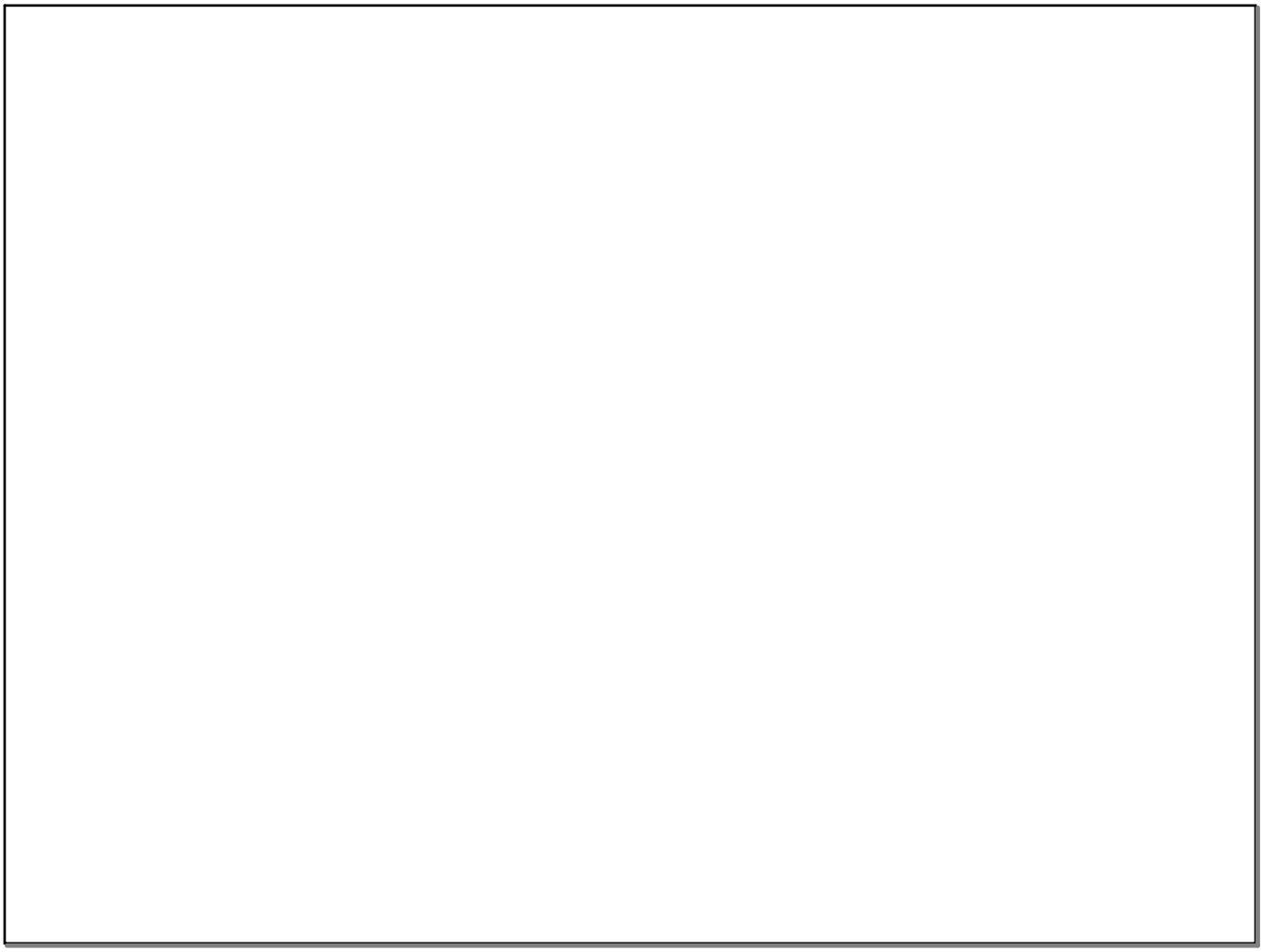

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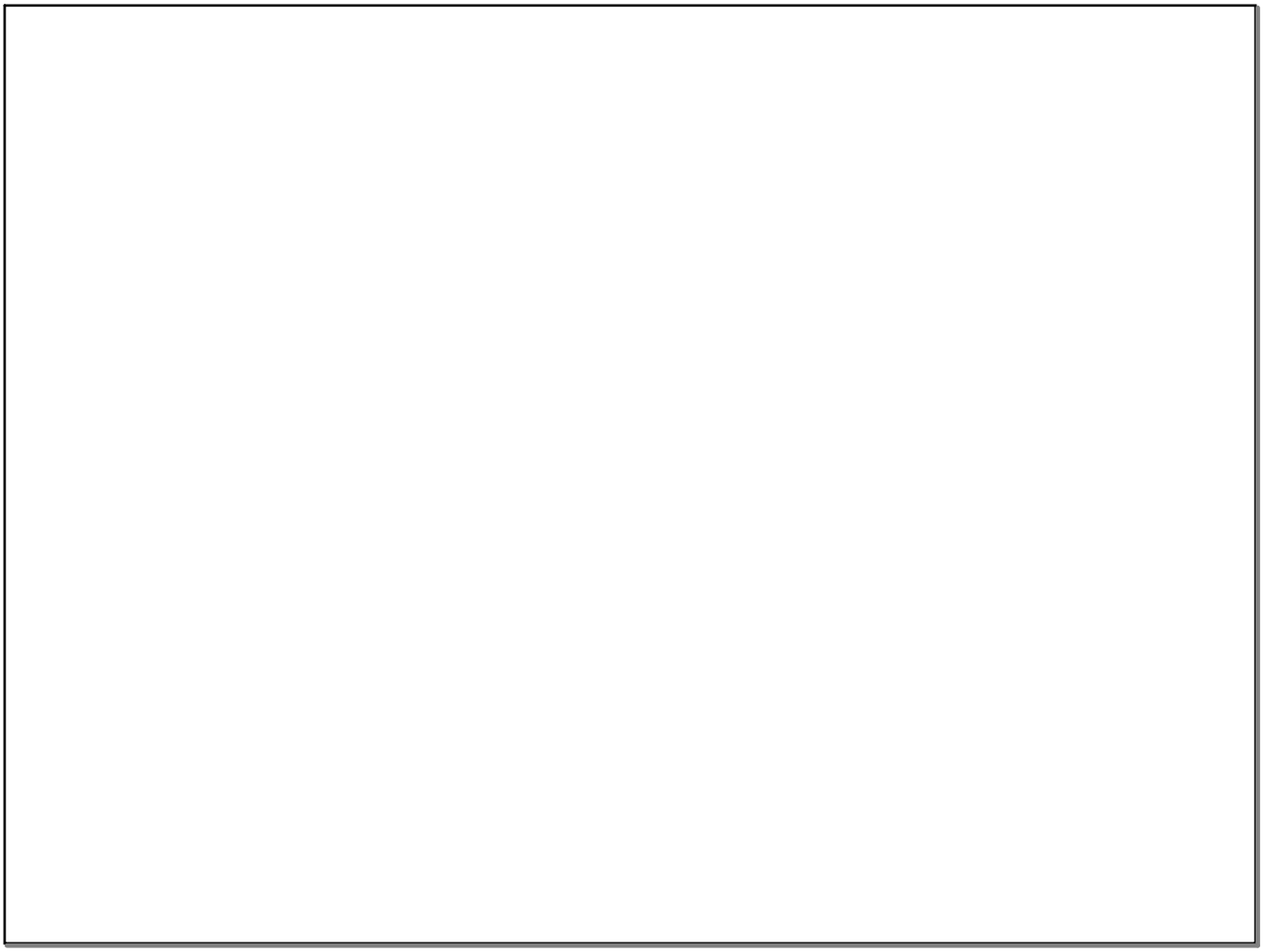

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