

Quiz 1 (take-home)

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① $d(x) = e(x)$

a $\rightarrow 20x + 200 = 25x$

$25x - 20x = 200$

$5x = 200$
 $x = 40$

b $\rightarrow x = 40$

② $8x - 3y = 4$

$-3y = -2x + 4$
 $-3y = -2x + 4$
 $-3y = -2x + 4$

$y = +2/3x + 4/3$

$2x - 3y = 4$
 $y \rightarrow -4/3$

$2x - 3y = 4$

$2x = 4 \rightarrow x = 2$

$y = 2/3x - 4/3$
 $m = 2/3$

$(y - 5) = 2(x + 2)$

$y - 5 = 2x + 4$
 $y = 2x + 9$

$y = 2x + 9$

Answer = $(y = 2/3x - 4/3) \cap (y = 2x + 9)$

③ $2009 - 1985 = \frac{24}{2.32} = 10.34$

