

#1-bazillion Find the limit

Context

"C"
ASSESSMENTS
 Summative GRADE

3 probs 3 pts ea
 2 pts on whole assignment
 for "Context"

-vs-

Formative LEARNING

10 pts

$$\frac{9+2}{10} = \frac{11}{10}$$

2.5 #21

$$y = \csc(2x) \text{ is cont? where?}$$

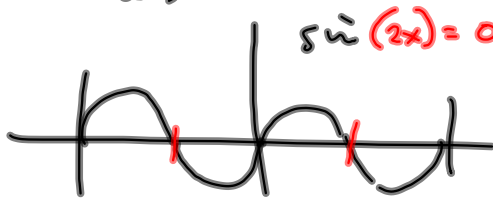
$$= \frac{1}{\sin(2x)}$$

~~Try stuff~~

~~Stupid thing~~

Don't spend too much time
 on a 1st attempt.

I'm getting stuck, here. I don't where to go.
 Here's what I know:



$$\sin(2x) = 0 \text{ when } 2x = \dots -2\pi, -\pi, 0, \pi, 2\pi, \dots$$

$$2x = n\pi, n \in \mathbb{Z}$$

$$\mathbb{Z} = \{0, \pm 1, \pm 2, \pm 3, \dots\}$$

$$x = \frac{n\pi}{2}, n \in \mathbb{Z}$$

Don't know about $\sin(2x) = 0$, though.

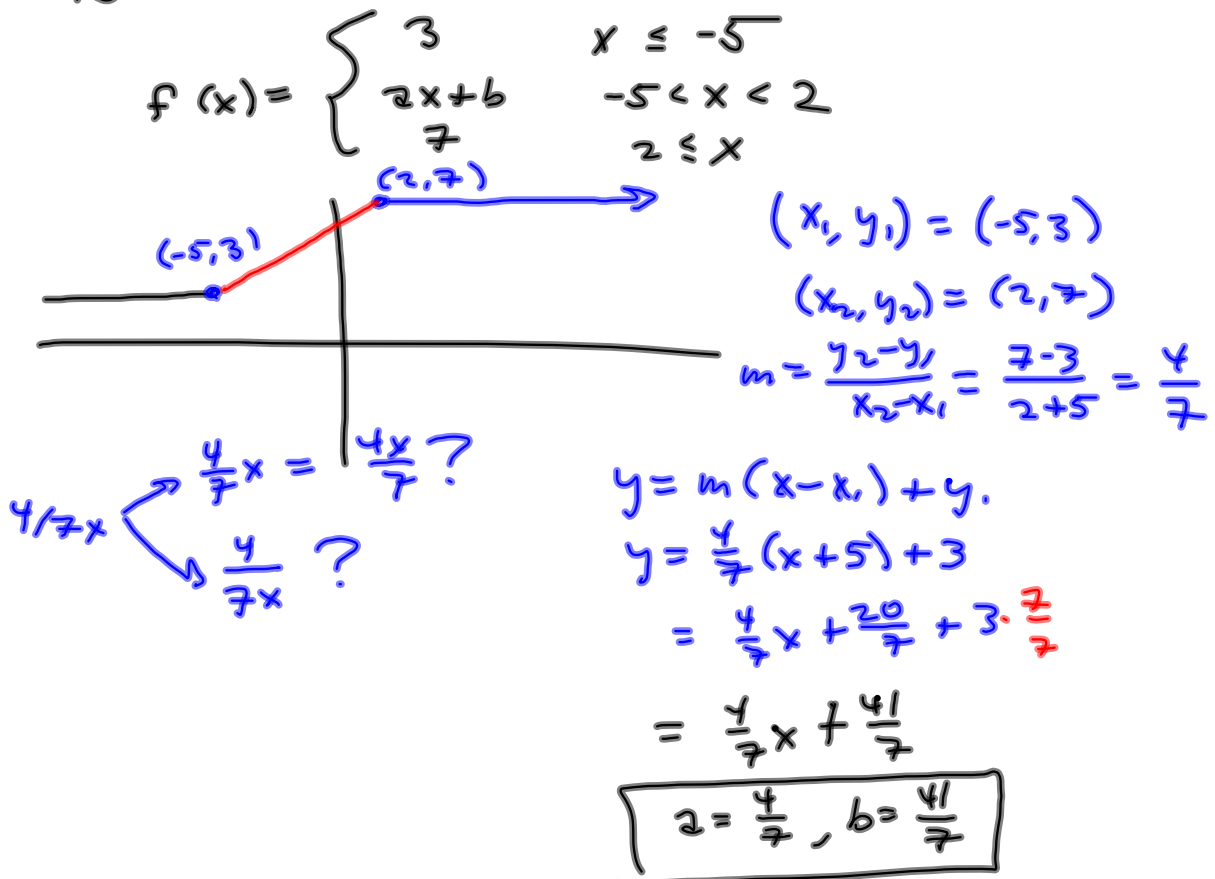
START FRESH PIECE OF PAPER

#23

$$\frac{1}{3} \tan(5x - \pi) - 4$$

2.5 Tomorrow

2.5
45



$$\begin{aligned} -5a + b &= 3 \\ 2a + b &= 7 \end{aligned}$$

$$b = 5a + 3 \implies$$

$$2a + b = 7$$

$$2a + (5a + 3) = 7$$

$$2a + 5a + 3 = 7$$

$$7a + 3 = 7$$

$$7a = 4$$

$$a = \frac{4}{7}$$

$$b = 5a + 3$$

$$= 5\left(\frac{4}{7}\right) + 3$$

$$= \frac{20}{7} + \frac{21}{7} = \frac{41}{7} = b$$

~~25~~ § 2.3 #s 1-50

$$(a-b)(a^2+ab+b^2)$$

§ 2.3 #s 21-50

§ 2.3 #s 31-50