

2 attempts — per problem?
per test?

Formatting on Test entries.

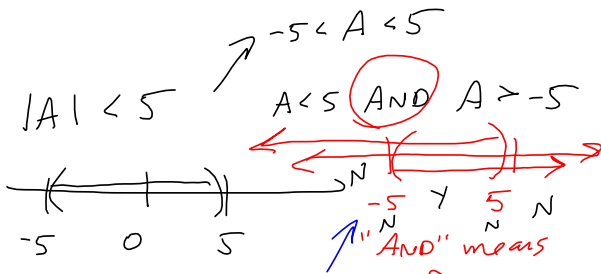
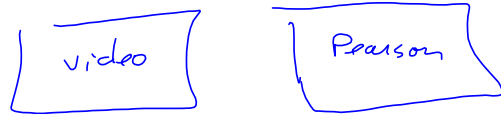
Writing Project for Chapter 2.

Writing Project Videos - Me, supplementing the text

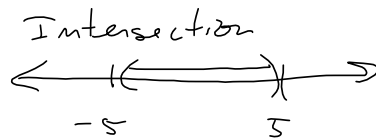
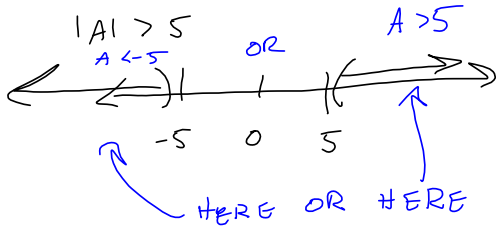
Transformations on functions:

My videos are
1.5-2 times the amount
of lecture than in
face-to-face.

$| -3x+2 | > 5$
 $-3x+2 > 5$ $-3x+2 < 5$



with one screen
Alt-Tab - Apps/Windows
Ctrl-Tab to flip
between tabs



$$|-3x+2| > 5$$

$$-3x+2 > 5 \quad \text{OR} \quad -3x+2 < -5$$

$$\frac{-2=-2}{-3x > 3}$$

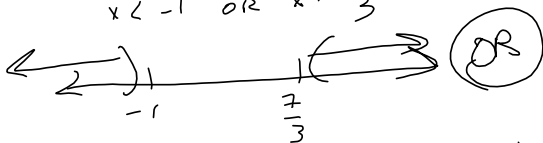
$$\Rightarrow x > 3$$

$$-3x > 3$$

$$\frac{-3x}{-3} < \frac{3}{-3} \quad \text{optional}$$

$$\Rightarrow x < \frac{3}{-3} = -1$$

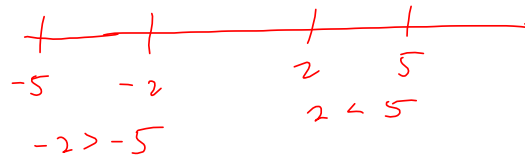
$$x < -1 \quad \text{OR} \quad x > \frac{7}{3}$$



$$= (-\infty, -1) \cup (\frac{7}{3}, \infty)$$

-infinity } for ∞ symbol?
-Infinity }

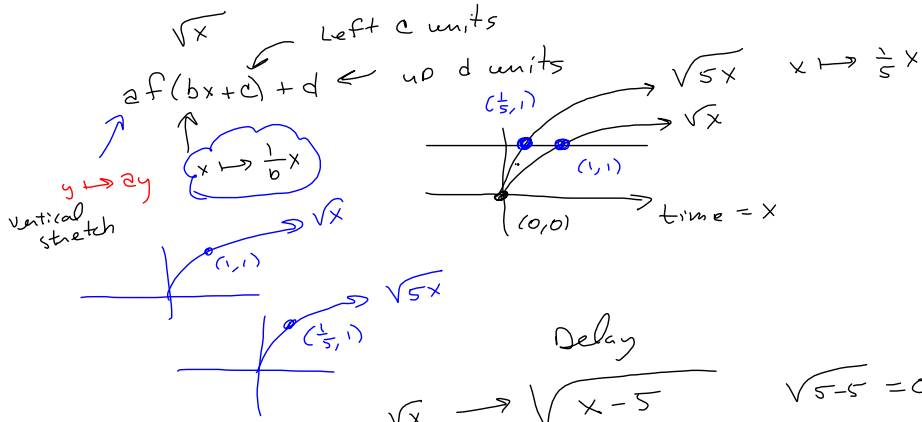
Reverse inequality &
change sign on RHS.



Transformations on Basic Functions

$a f(bx+c) + d$

$3\sqrt{2x-7} + 11$



METHOD 1

- 0 $f(x)$
- 1 $a f(x) \quad y \mapsto ay$
- 2 $a f(x+c) \quad x \mapsto x-c$
- 3 $a f(bx+c) \quad x \mapsto \frac{1}{b}x$
- 4 $a f(bx+c)+d \quad y \mapsto y+d$

METHOD 2

- 0 $f(x)$
- 1 $a f(x)$
- 2 $a f(bx)$
- 3 $a f(b(x - \frac{c}{b}))$
- 4 $a f(b(x - \frac{c}{b})) + d$

$3\sqrt{2(x - \frac{7}{2})} + 11$
Better for trig / future.

METHOD 2

