

BE-1A WEDNESDAY 2-20-08

① Find the EOL through $(-2, -4)$ and $(4, -1)$.

② Graph the EOL in ①

③ What is the "vertical line test"?

Take out homework: Pg. 283 # 7 to 9

1.
Another type of problem is to find the EOL if you know the slope and one point on the line.

Do THIS EXACTLY like the "find the EOL if you know 2 points" except

- you don't have to find m , you already know it.
 - you don't get to choose your (x, y) pair, you have to use the one you are given.
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EX 1
pg 280

Find EOL through $(1, 5)$ with slope 2.

$$\textcircled{m=2} \quad y = mx + b$$

$$5 = 2 \cdot 1 + b$$

$$\begin{array}{r} 5 = 2 + b \\ -2 \quad -2 \end{array}$$

$$\textcircled{3 = b}$$

$$\therefore \boxed{y = 2x + 3}$$

$\uparrow \quad \quad \uparrow$
 $m \quad \quad b$

Homework: • Read Ch 5-4

- Pg 284 #13-15
#22-24
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