Solve the system algebraically.
[Then later, verify graphically]

$$2x + y = 12$$
 $y = 12 - 2x$
 $xy = 16$
 $x = \frac{16}{y}$
 $x(12 - 2x) = 16$
 $12x - 2x^2 = 16$
 $0 = 2x^2 - 12x + 16$

3
Solve the system algebraically.
[Thens later, verify graphically]

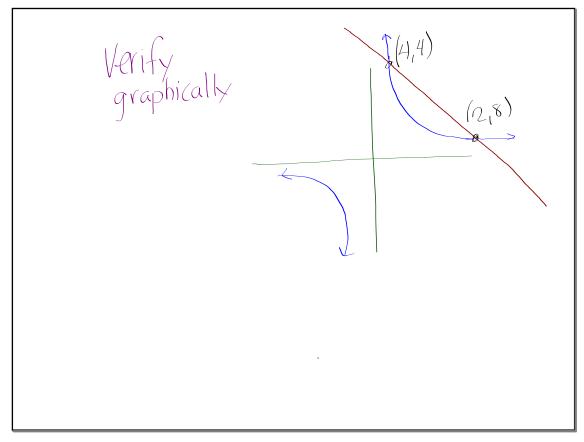
$$2x + y = 12$$

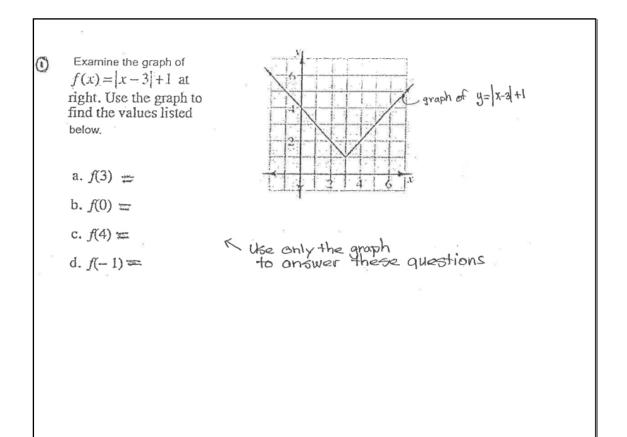
 $xy = 16$
 $y = \frac{16}{x}$
 $2x + \frac{16}{x} = 12$
multiply all
terms by x
 $2x^2 + 16 = 12x$

Solve the system algebraically.
[then later, verify graphically]

$$2x + y = 12$$

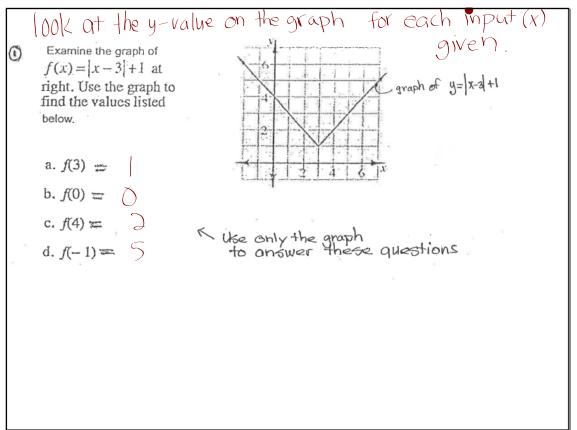
 $2y = 12$
 $y = \frac{16}{x}$
 $y = \frac{16}{x}$
 $2 = 12$
 $2 = \frac{16}{x}$
 $2 = 12$
 $2 = \frac{16}{x}$
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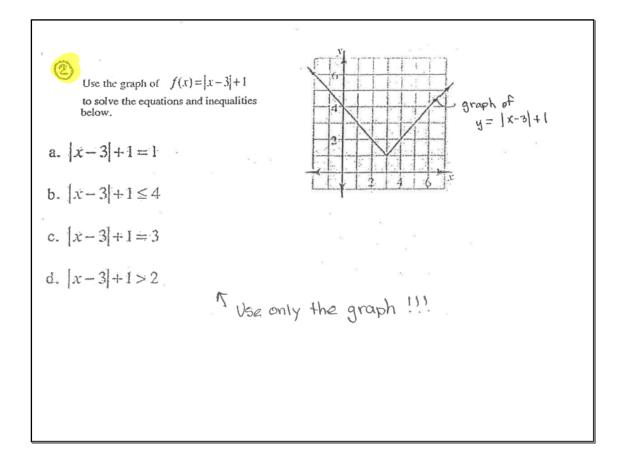




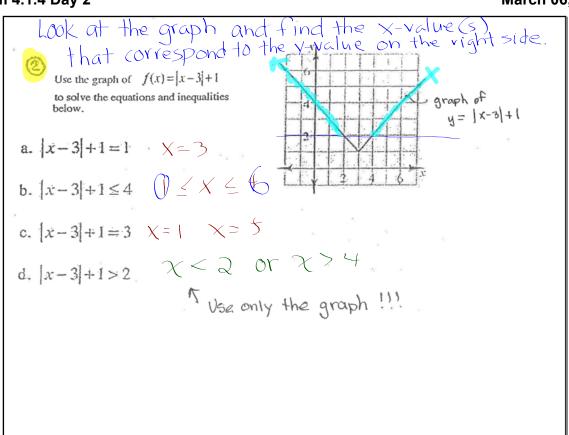
Notes from 4.1.4 Day 2

March 06, 2019





Notes from 4.1.4 Day 2



See the "Solving by Graphing" LCQ from FRI Feb ZZ (before the SNOW days)

Assignment: 4 52, 53ad, 68, 69ac