

Solve graphically

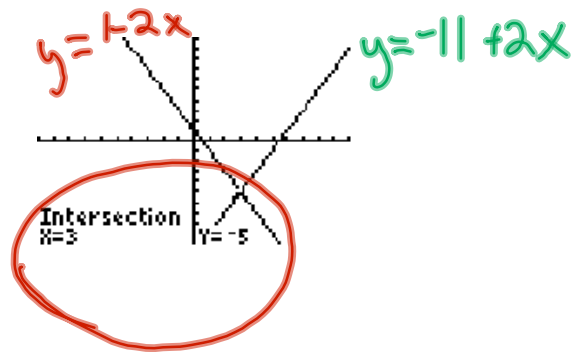
$$4x - 2y = 22$$

$$2x + y = 1$$

$$y = 1 - 2x$$

$$-2y = 22 - 4x$$

$$y = -11 + 2x$$

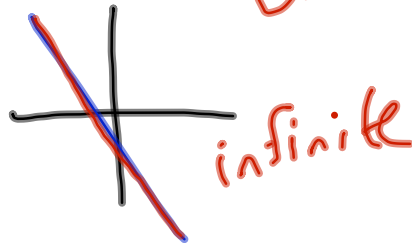
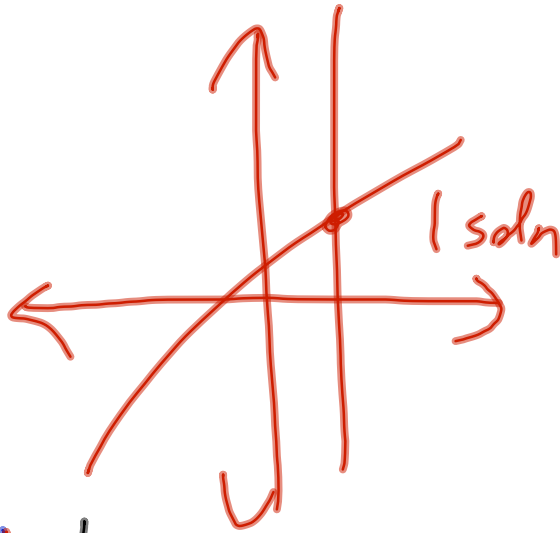
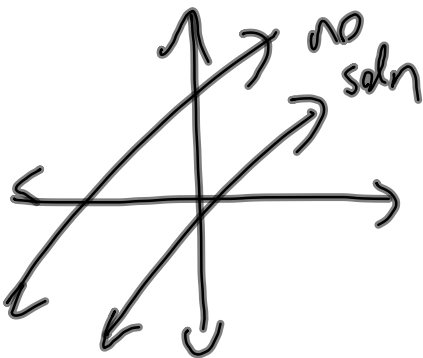


P. 11

8, 10, 13

27, 29

32, 33



Solving by substitution

$$x + y = 7 \rightarrow x = 7 - y$$

$$x + 2y = 11$$

$$7 - y + 2y = 11$$

$$y = 4$$

$$x = 7 - 4$$

$$x = 3$$

$$-x + 5y = 10$$

$$2x + 3y = 6$$

$$-x = 10 - 5y$$

$$x = \underbrace{-10 + 5y}$$

$$2(-10 + 5y) + 3y = 6$$

$$-20 + 10y + 3y = 6$$

$$13y = 26$$

$$y = 2$$

$$x = -10 + 5(2)$$

$$\underline{x = 0}$$

$$2x + y = -3$$

$$3x - 2y = -22$$

P. 26

17, 19, 21, 23

26 a, b, c