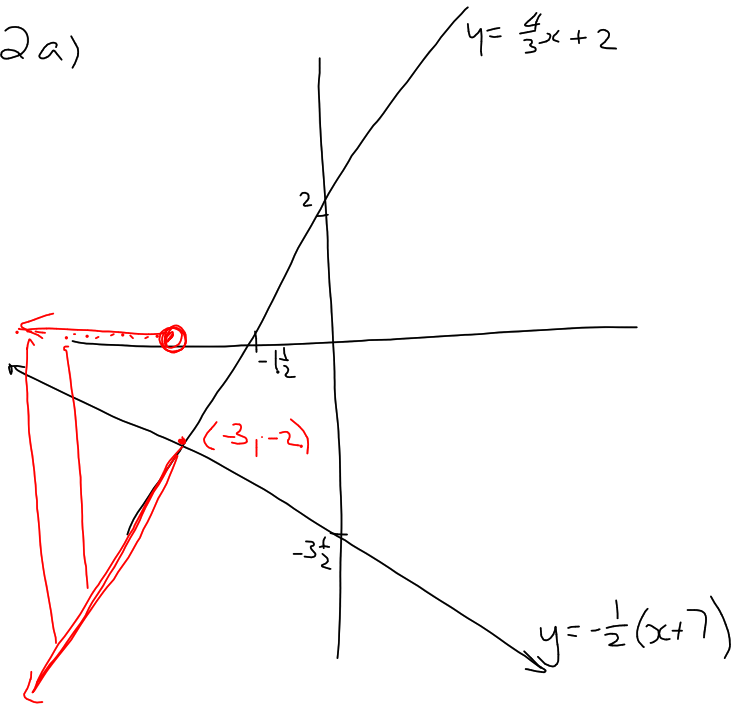
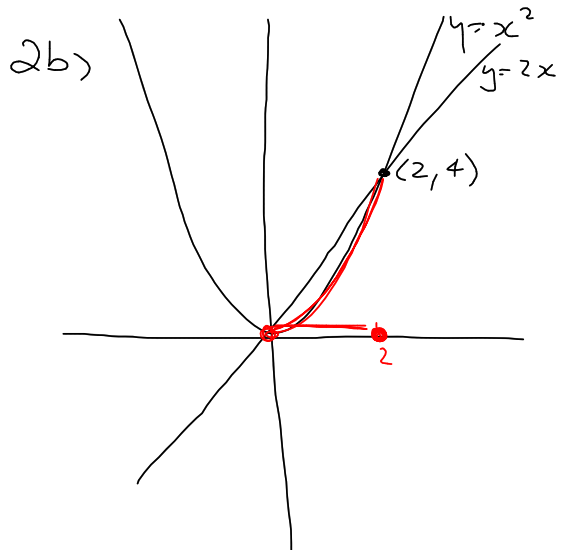


2a)



$$\frac{4}{3}x + 2 \leq -\frac{1}{2}(x+7)$$

$$\underline{x \leq -3}$$



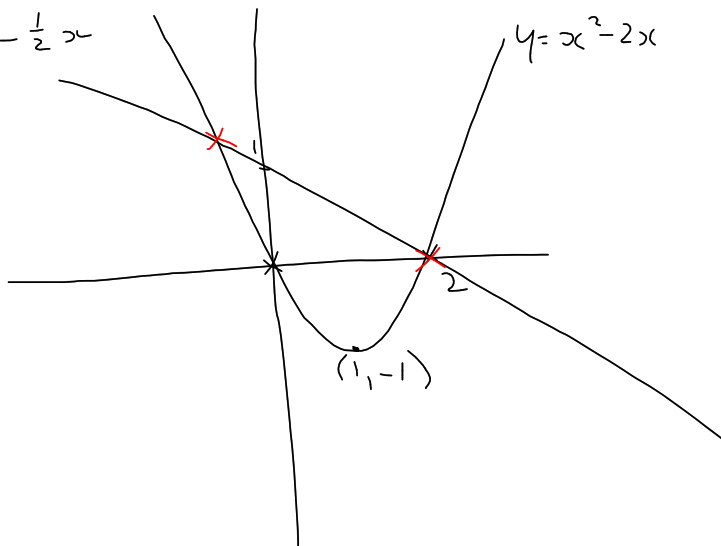
$$x^2 \leq 2x$$

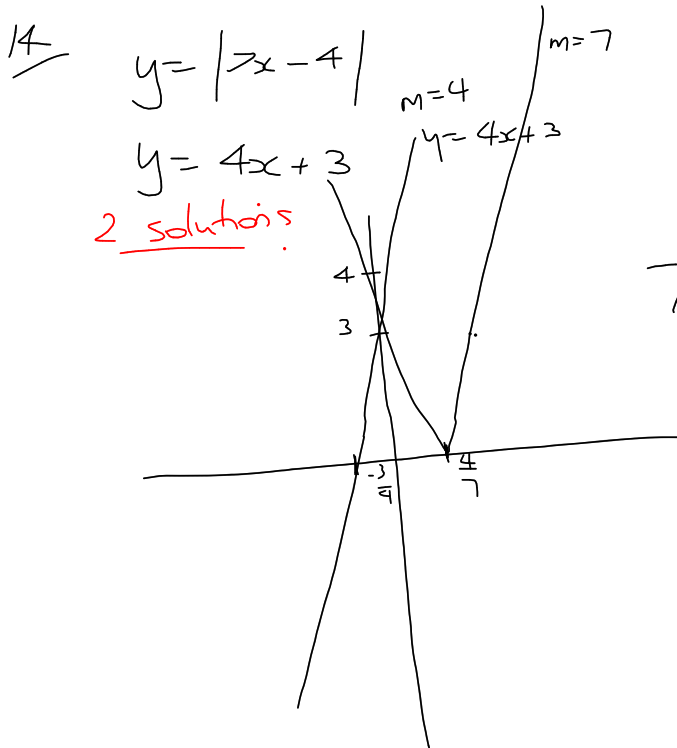
$$0 \leq x \leq 2$$

b) a) $1 - \frac{1}{2}x = x^2 - 2x$ 2 solutions

$y = 1 - \frac{1}{2}x$

$y = x^2 - 2x$





$$c) |7x - 4| = 4x + 3$$

$$7x - 4 = 4x + 3 \text{ or } -(7x - 4) = 4x + 3$$

$$3x = 7$$

$$x = \frac{7}{3}$$

$$-7x + 4 = 4x + 3$$

$$-11x = -1$$

$$x = \frac{1}{11}$$

$$x = \frac{1}{11} \text{ or } x = \frac{7}{3}$$

17c)

$$\frac{x+2}{2} > \frac{2}{x-1}$$

$$\frac{x+2}{2} = \frac{2}{x-1}$$

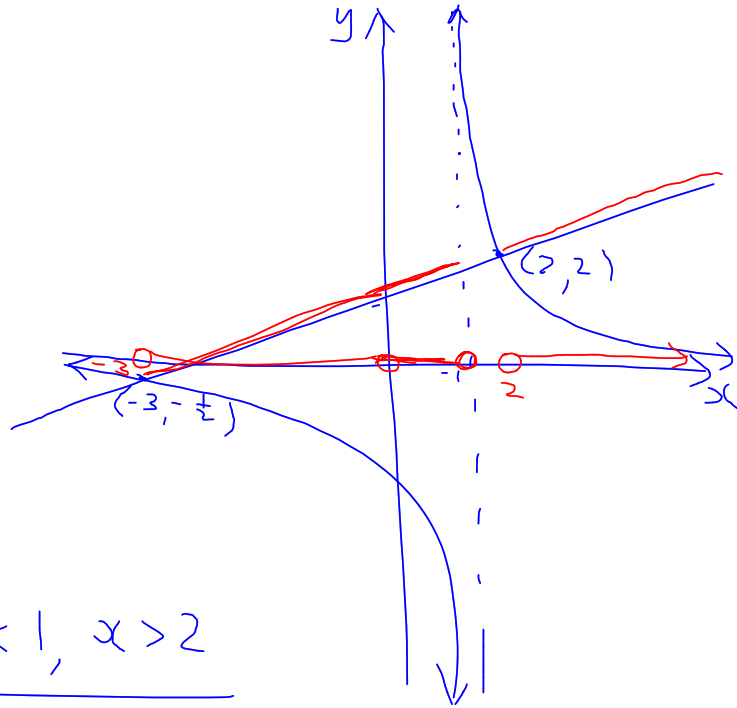
$$x^2 + x - 2 = 4$$

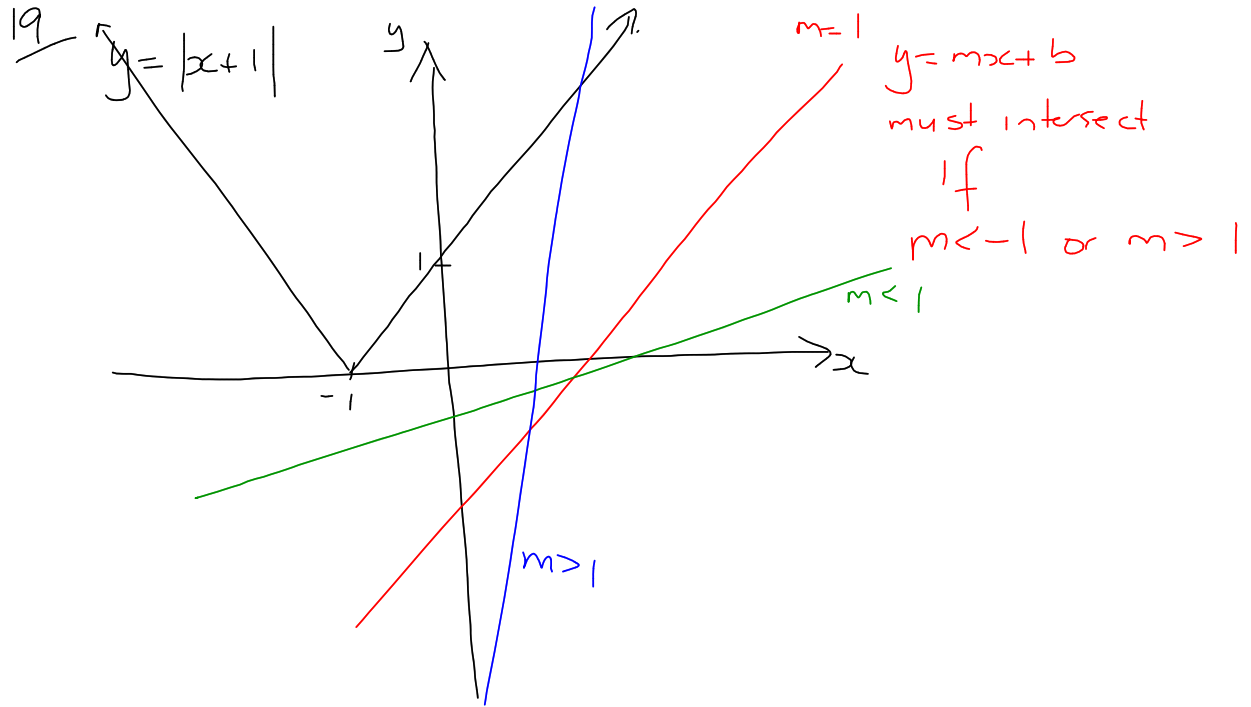
$$x^2 + x - 6 = 0$$

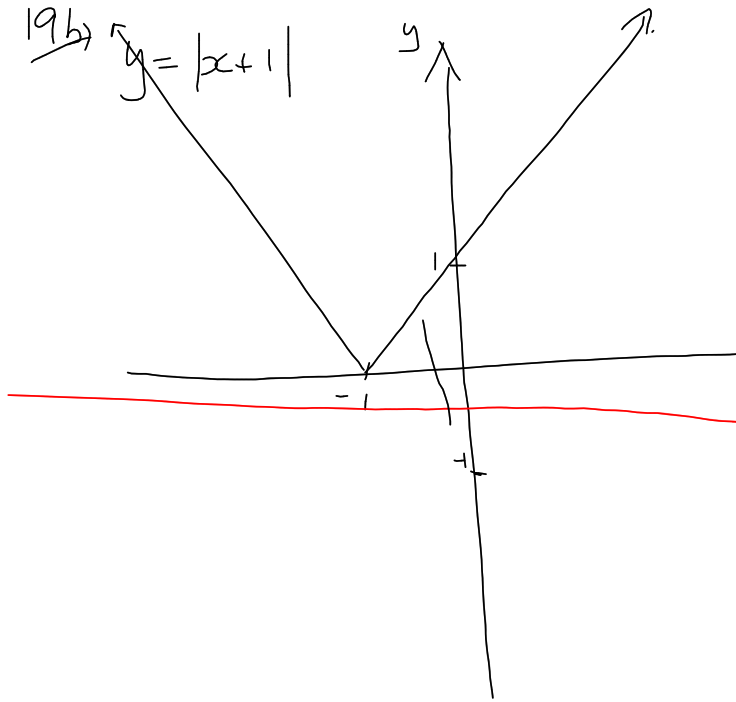
$$(x+3)(x-2) = 0$$

$$x = -3 \vee x = 2$$

$$\underline{-3 < x < 1, x > 2}$$







$$y = mx + b$$

$$-1 \leq m \leq 1$$

$$m = 1, b < 1$$

$$m = -1, b < -1$$

$$m = 0, b < 0$$

$$\underline{b < m}$$

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$$\frac{|2x-3|}{4x-6} \geq \frac{x}{4}$$

$$\frac{x}{4} = -\frac{1}{2}$$

$$x = -2$$

$$\frac{x}{4} = \frac{1}{2}$$

$$x = 2$$

$$x \leq -2, \frac{3}{2} < x \leq 2$$

