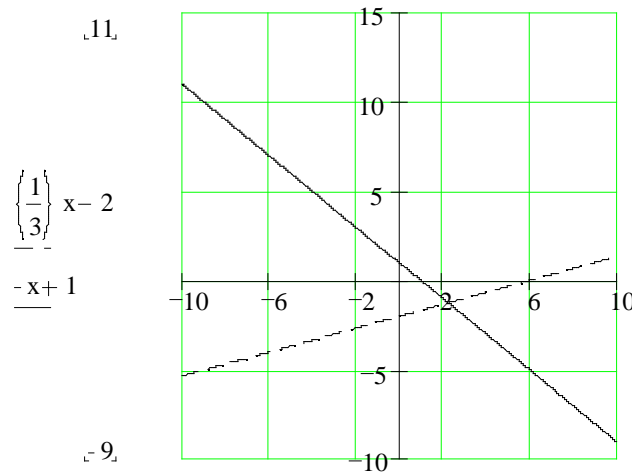


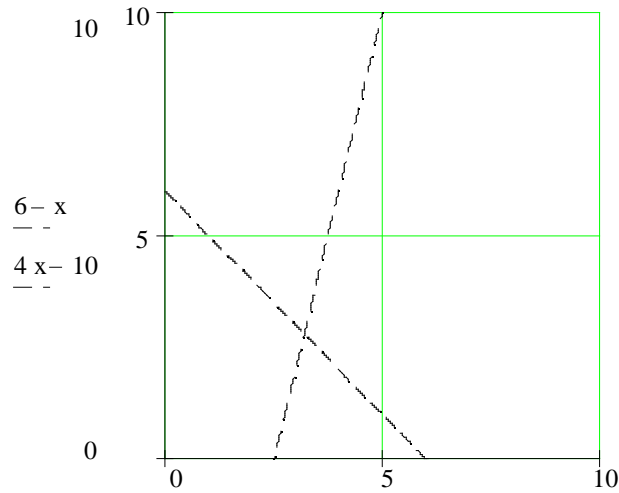
12.3 Inequalities in Two Variables; Systems

- 1) Items A and D are solutions to the system of inequalities.
- 3) Answers will vary.
- 5) $A \Leftrightarrow 2, B \Leftrightarrow 1, C \Leftrightarrow 3$
- 7) $y \geq 2x + 4$
- 9) $y < 4$

11)



13)

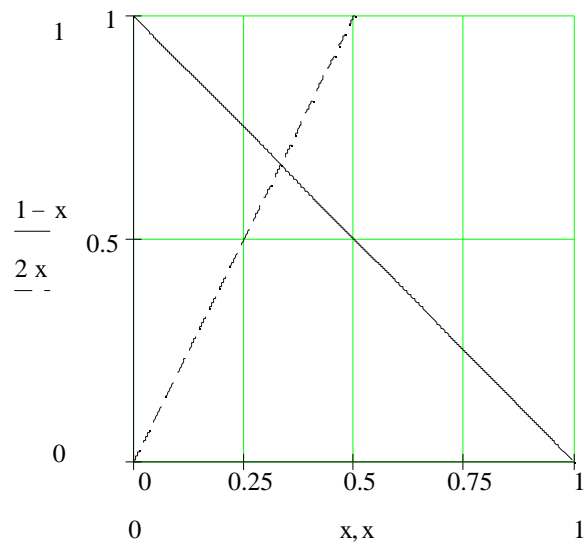


15)

- a)

$$\begin{cases} x + y \leq 1 \\ x \geq \frac{1}{4} \\ y < 2x \\ y \geq 0 \end{cases}$$

b)



17) $2(x + 6)(x - 6)$

19) $\frac{7\sqrt{6}}{9}$