

SIMULTANEOUS EQUATIONS:  
GRAPHICAL SOLUTIONS

1.  $x + 3y = 9$   
 $2x - y = 4$

2.  $2x + y = 4$   
 $x - y = -1$

3.  $2x + y = -2$   
 $x - 2y = -6$

4.  $x + 2y = 6$   
 $2x - y = -8$

5.  $x - y = -3$   
 $x + y = 7$

6.  $x - y = 2$   
 $x + y = 4$

7.  $x + y = 10$   
 $x - 3y = -6$

8.  $x + y = 3$   
 $x - 4y = 8$

9.  $x + 2y = -4$   
 $x - y = 5$

10.  $2x + y = 2$   
 $x - 2y = 6$

11.  $x + 3y = -6$   
 $x - 2y = 4$

12.  $2x + y = 6$   
 $x - 2y = -2$

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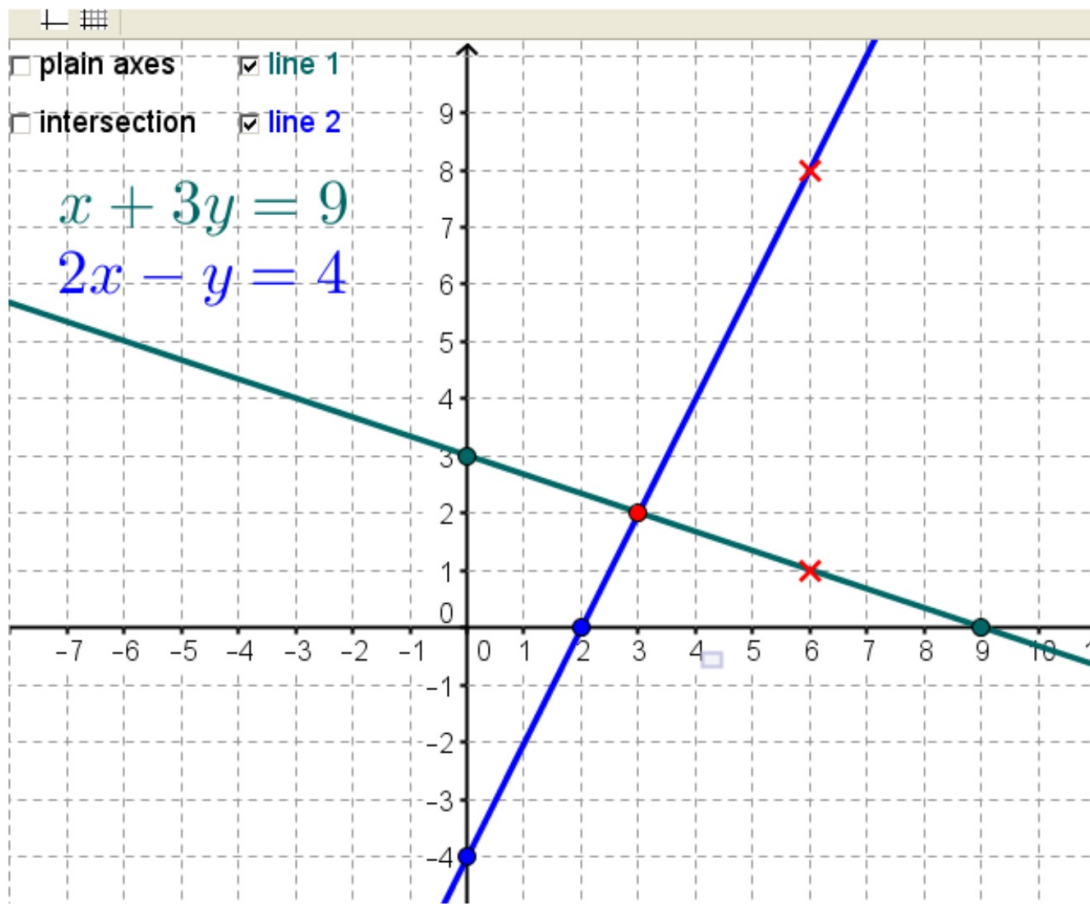
9.  $x + 2y = -4$   
 $x - y = 5$

10.  $2x + y = 2$   
 $x - 2y = 6$

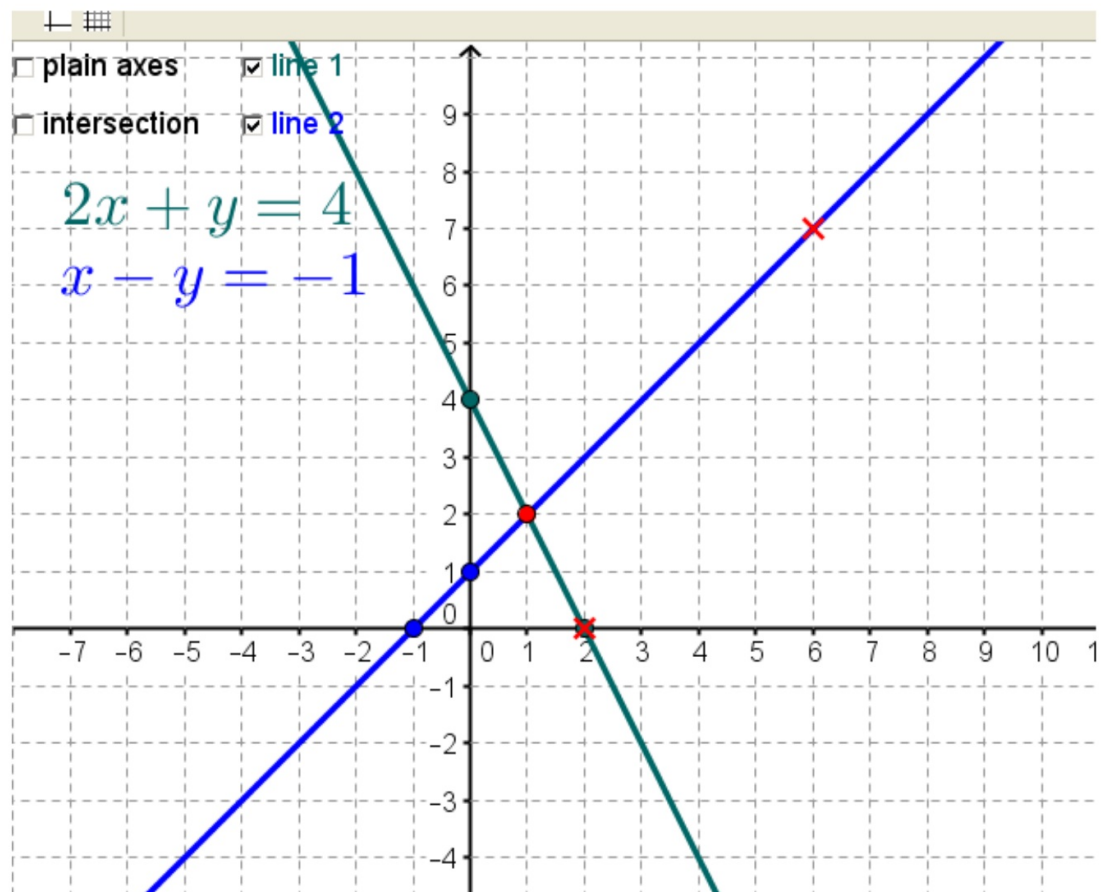
11.  $x + 3y = -6$   
 $x - 2y = 4$

12.  $2x + y = 6$   
 $x - 2y = -2$

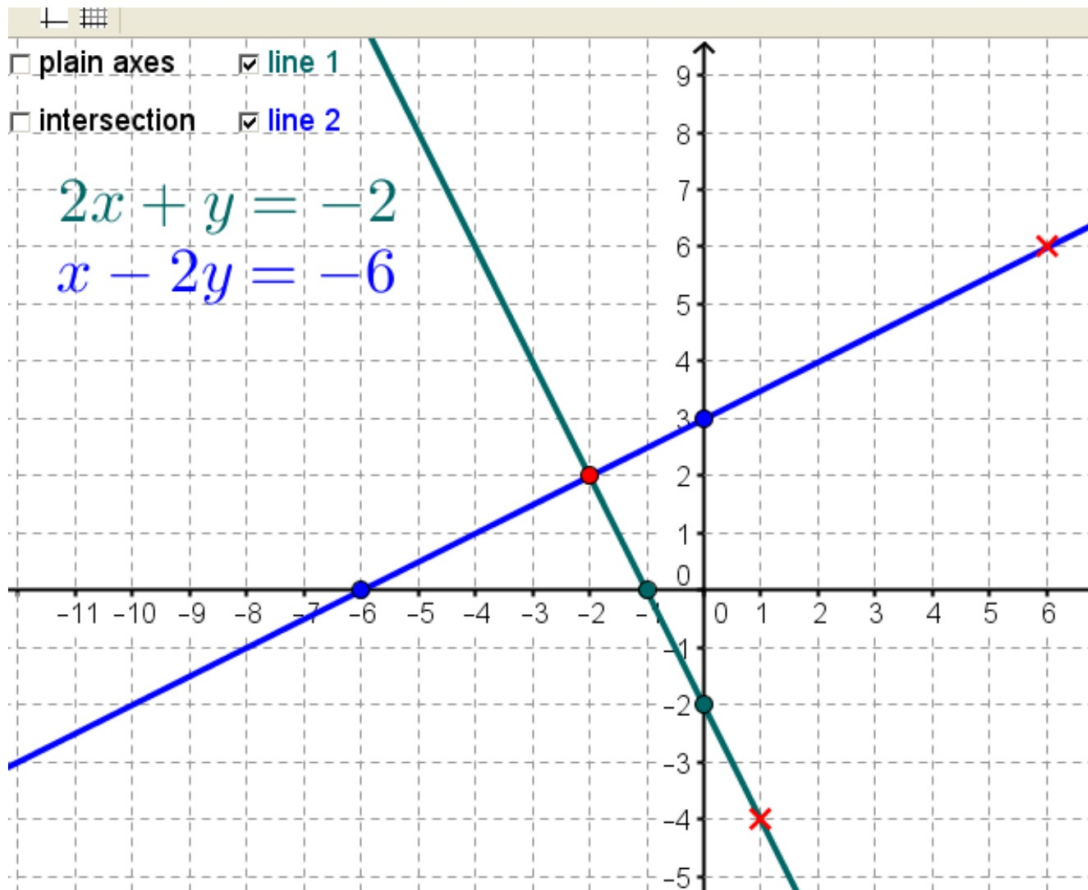
1.



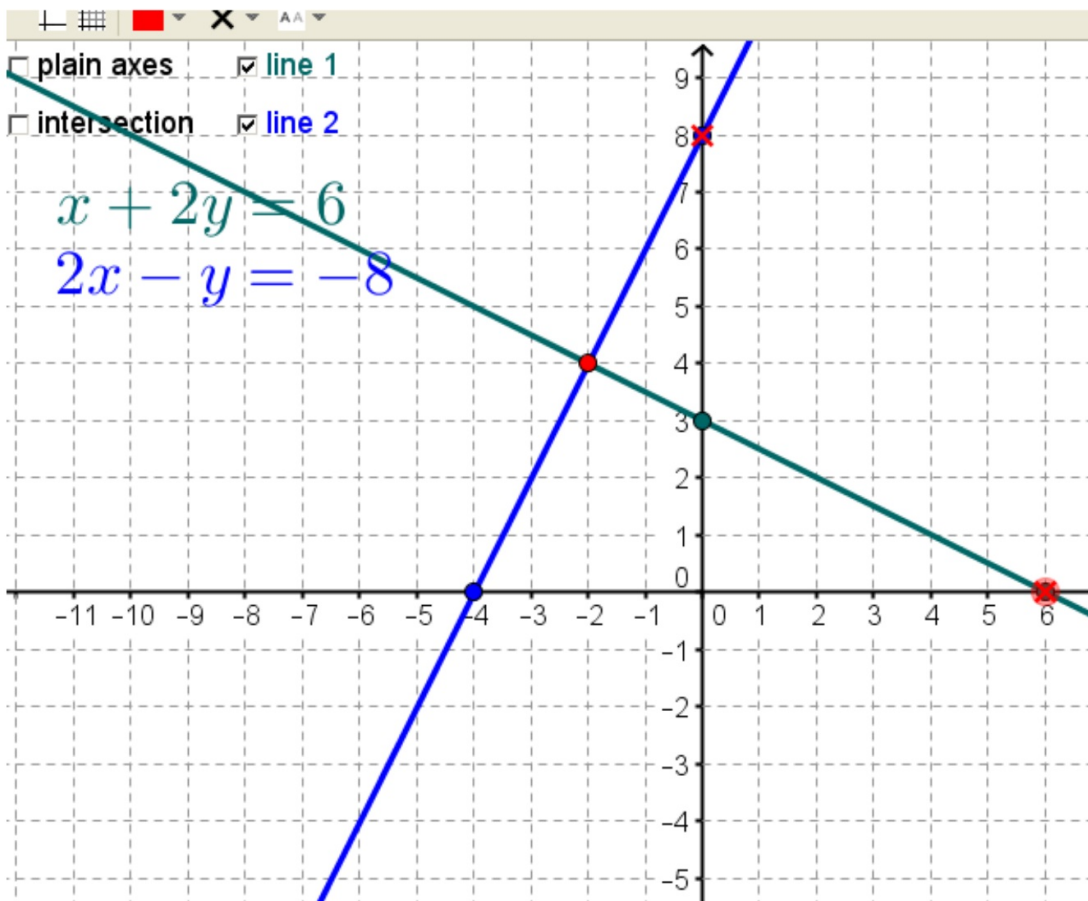
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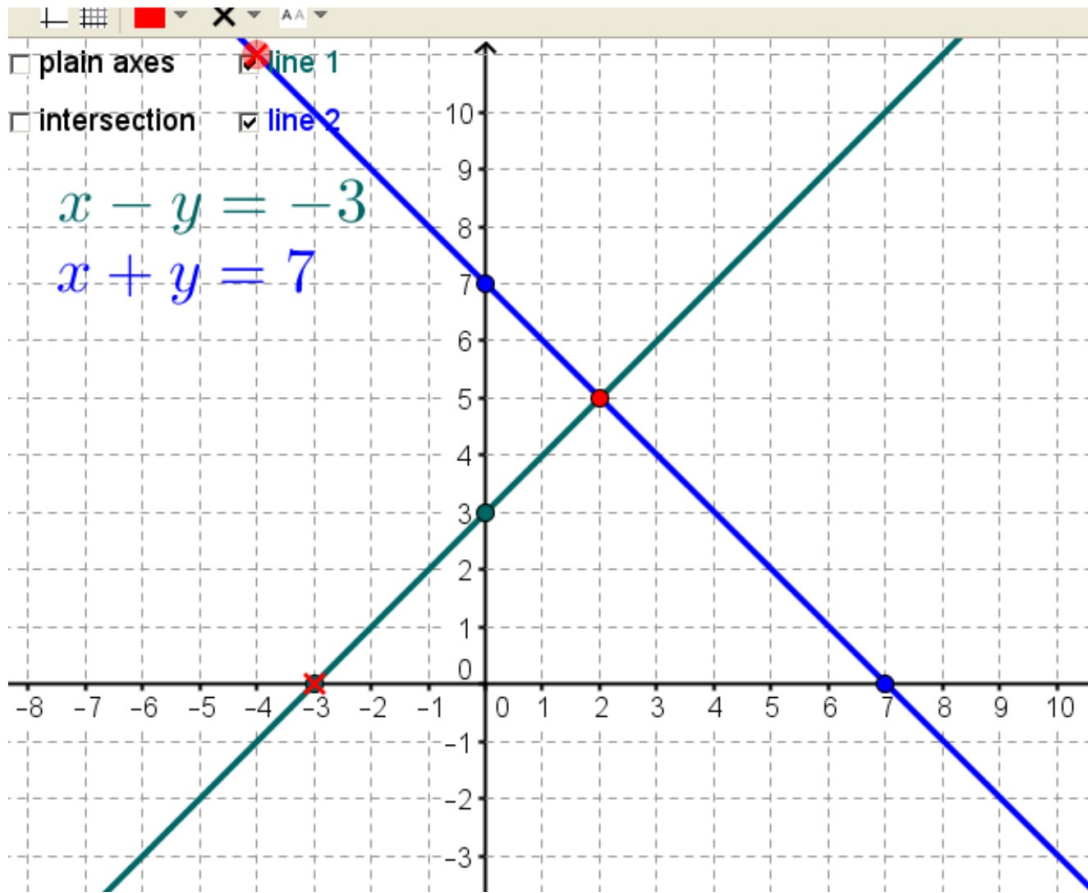
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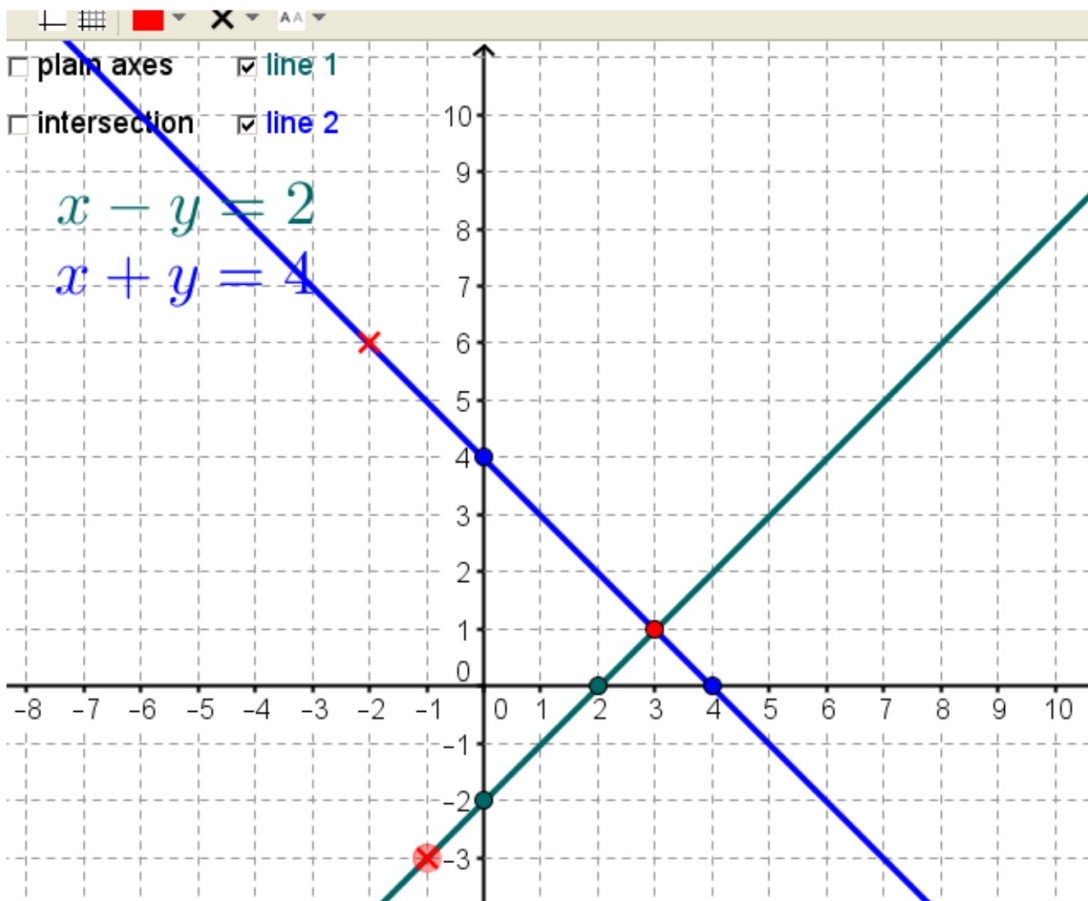
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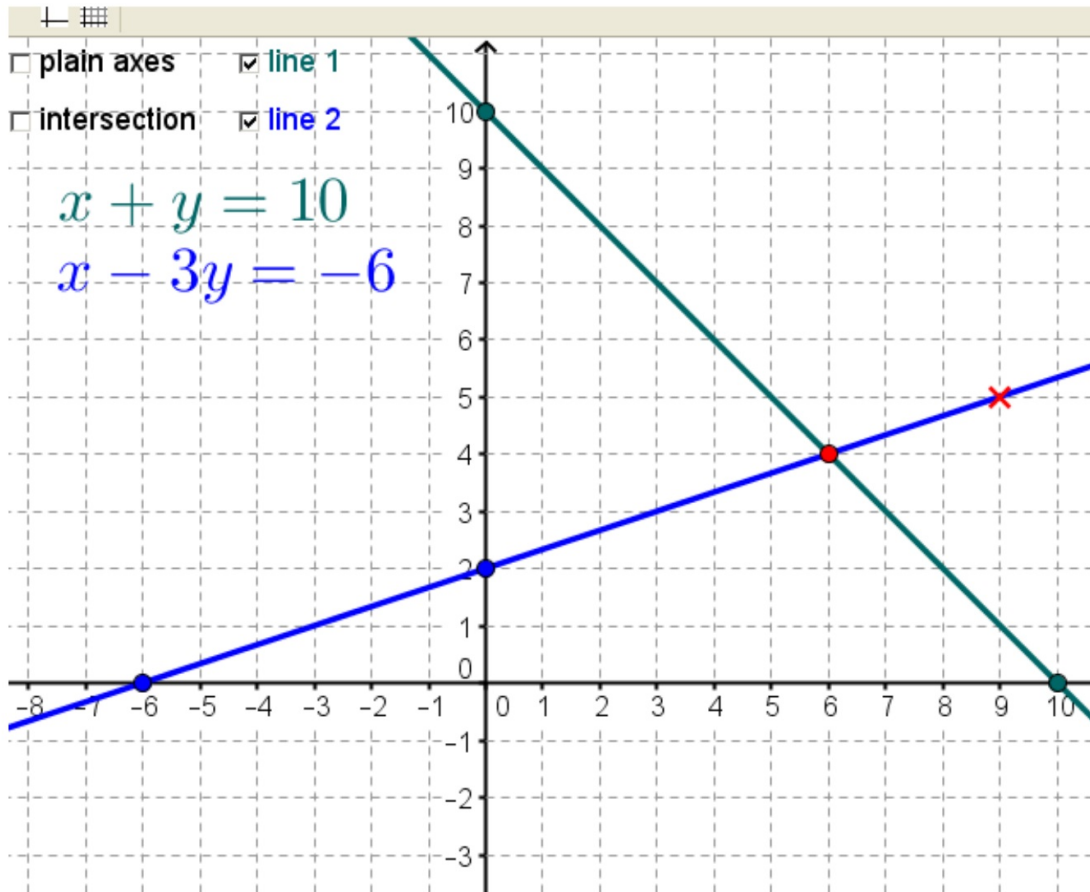
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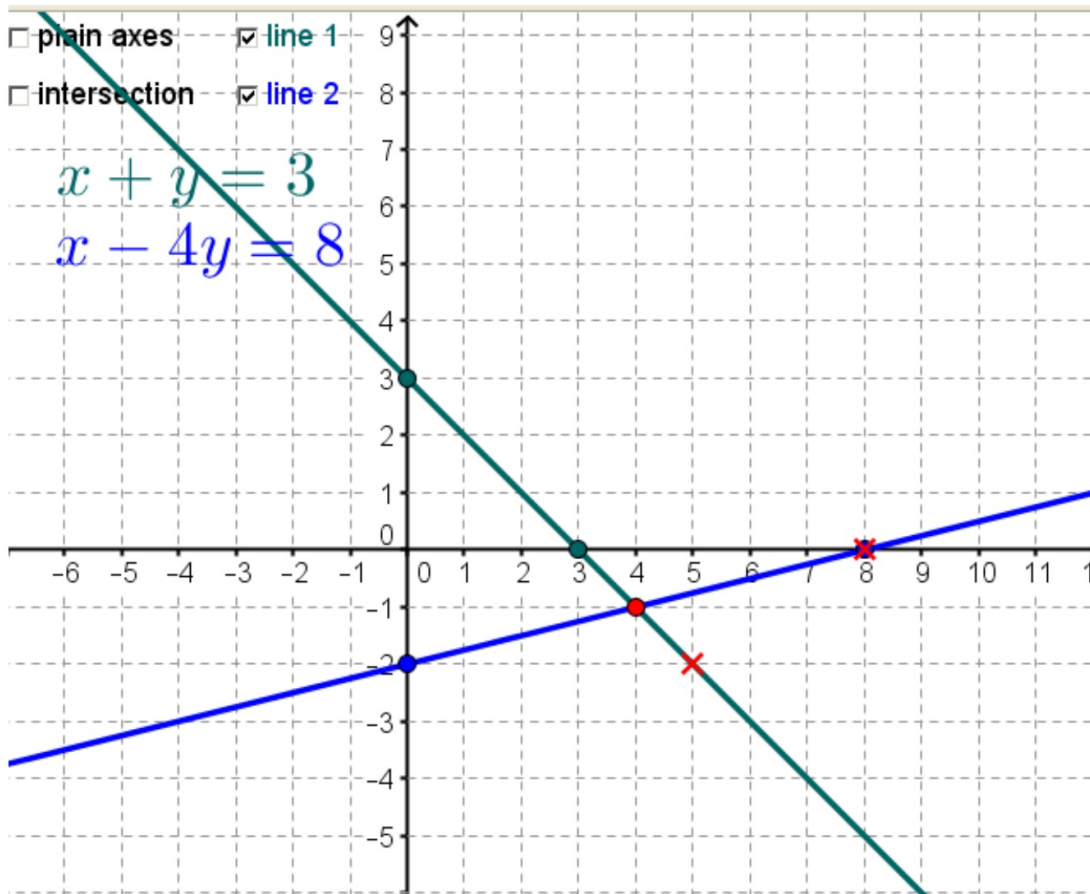
6.



7.



8.



9.

plain axes

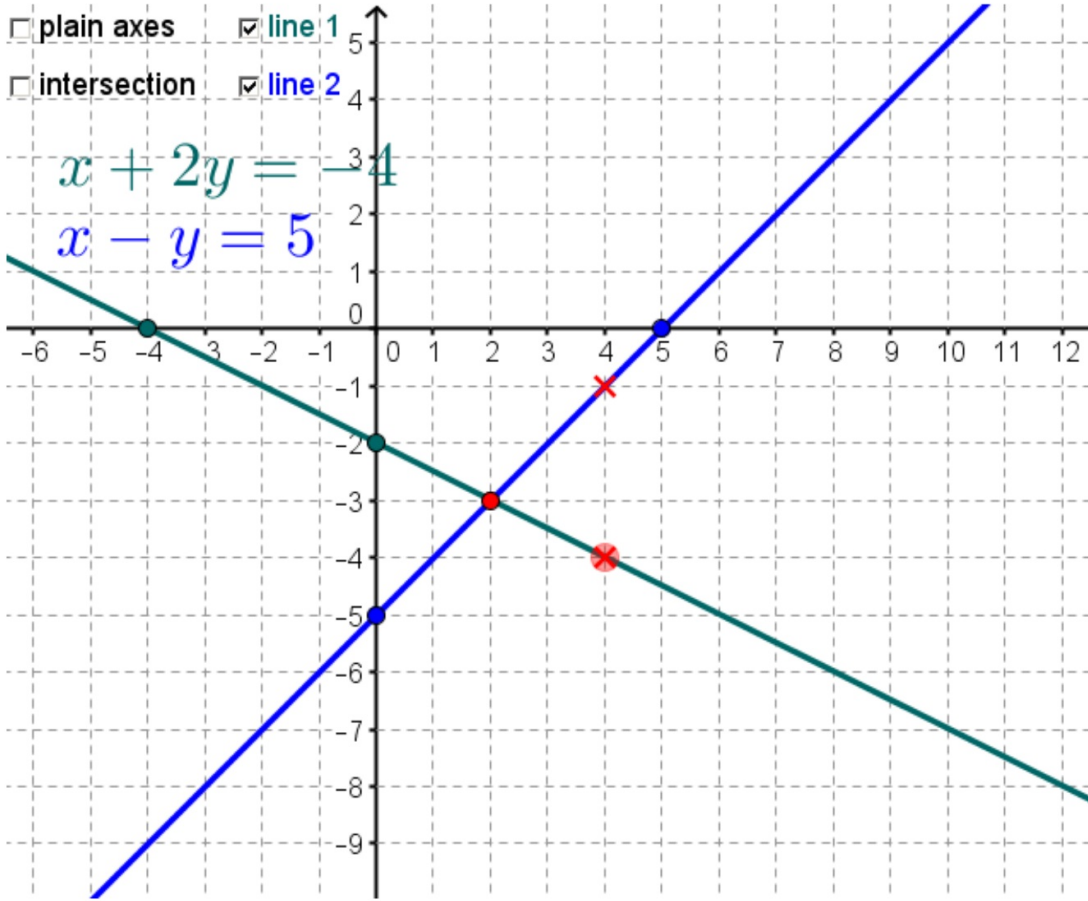
line 1

intersection

line 2

$$x + 2y = -4$$

$$x - y = 5$$



10.

plain axes

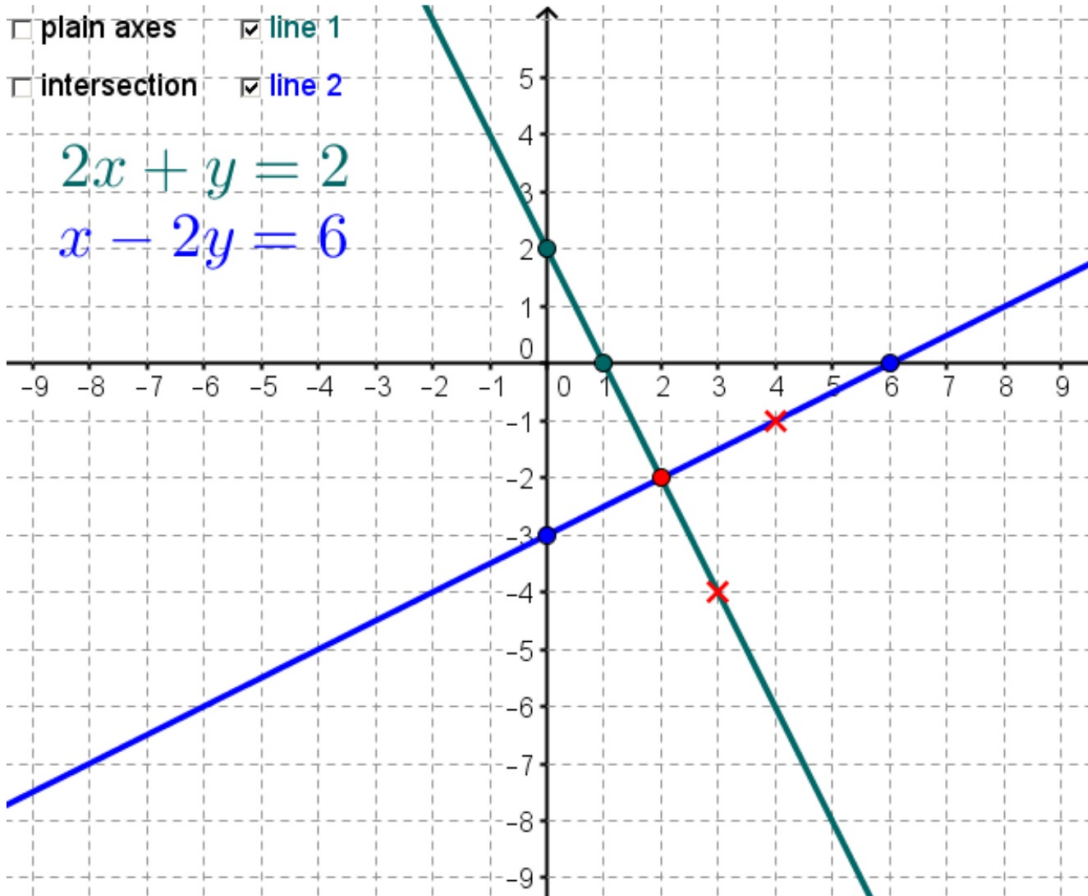
line 1

intersection

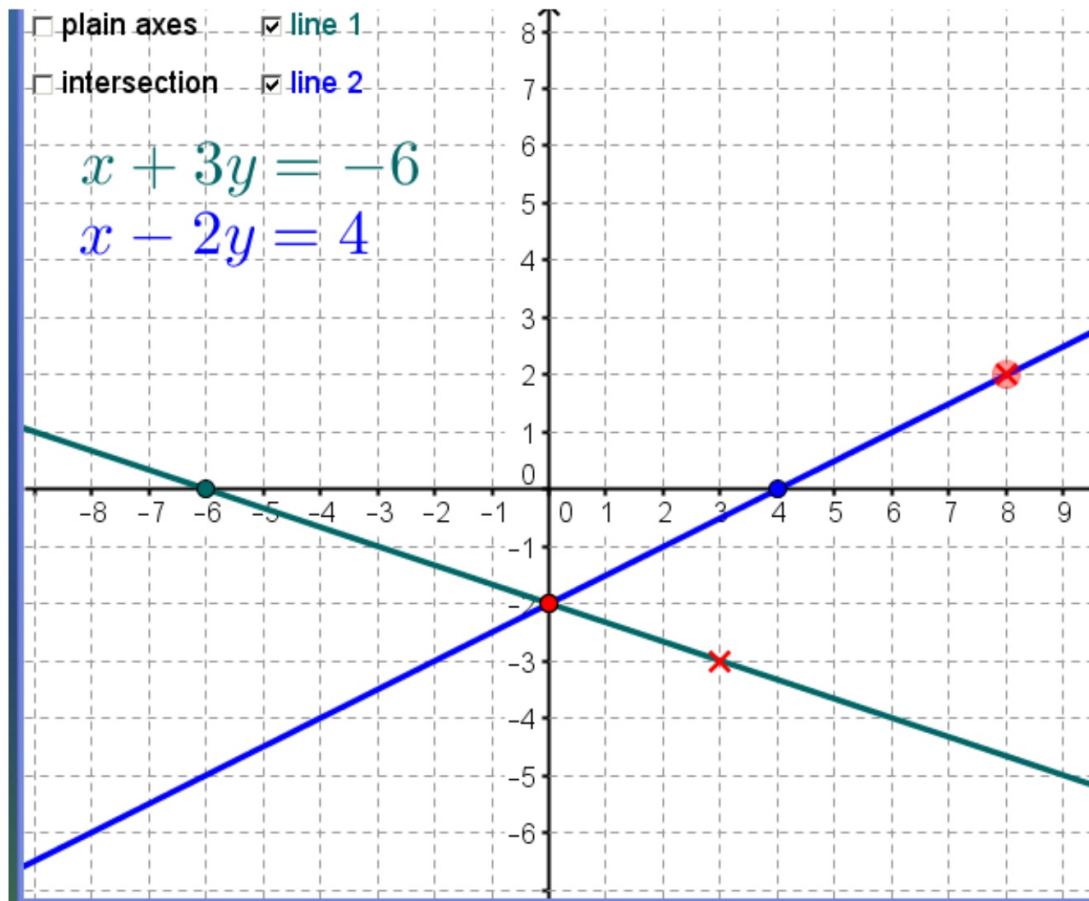
line 2

$$2x + y = 2$$

$$x - 2y = 6$$



11.



12.

