

Graphing Lines using x & y intercepts  
Algebra Foundations

Name \_\_\_\_\_

Date \_\_\_\_\_ Assignment # \_\_\_\_\_

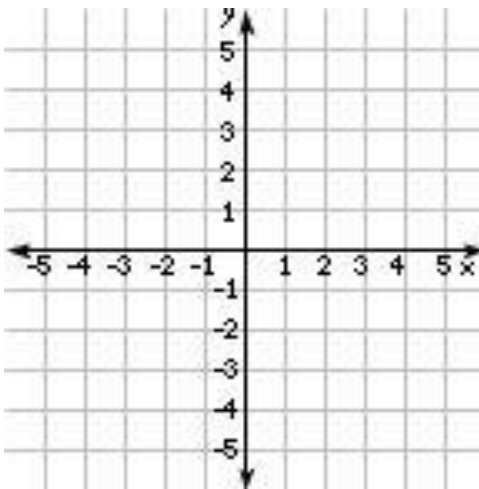
Find the x and y intercepts.

Plot both and graph the line through them.

1)  $y = \frac{1}{2}x + 5$

x-int. (\_\_\_\_, 0)

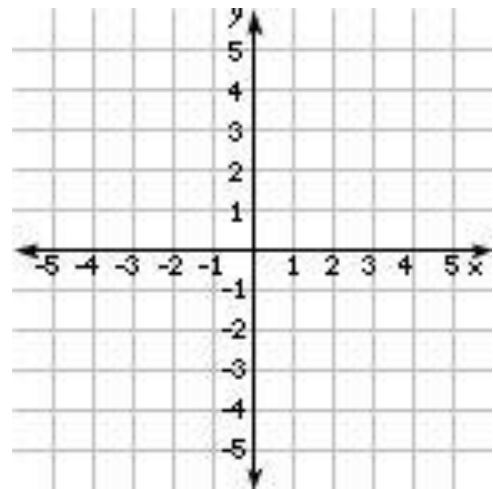
y-int. (0, \_\_\_\_)



2)  $y = 8 - 2x$

x-int. (\_\_\_\_, 0)

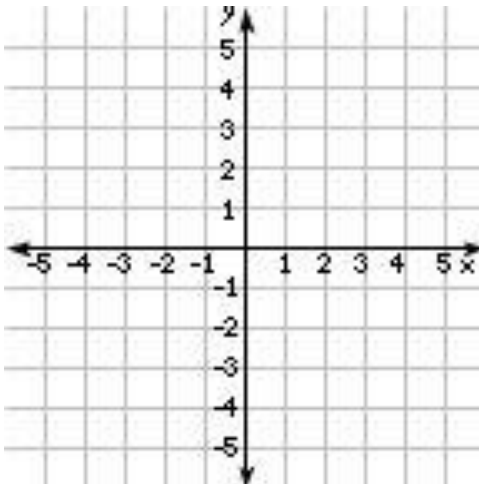
y-int. (0, \_\_\_\_)



3)  $2x - 3y = 18$

x-int. (\_\_\_\_, 0)

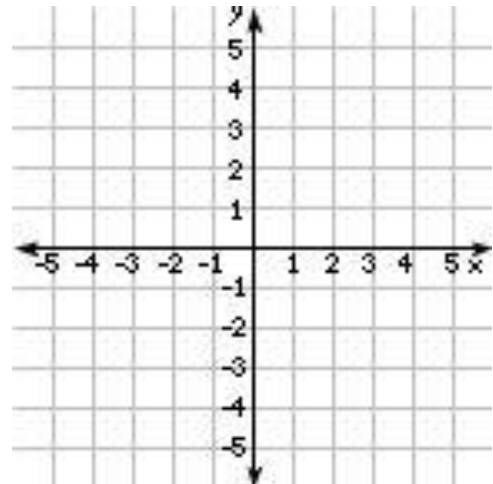
y-int. (0, \_\_\_\_)



4)  $3x + 2y = 6$

x-int. (\_\_\_\_, 0)

y-int. (0, \_\_\_\_)



## Algebra Foundations

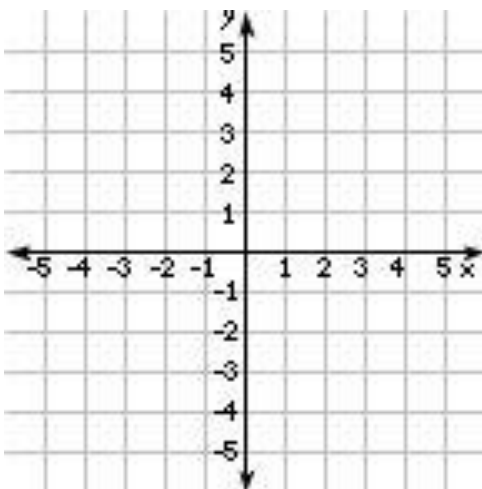
Find the x and y intercepts.

Plot both and graph the line through them.

5)  $y = \frac{4}{3}x + 3$

x-int. (\_\_\_\_, 0)

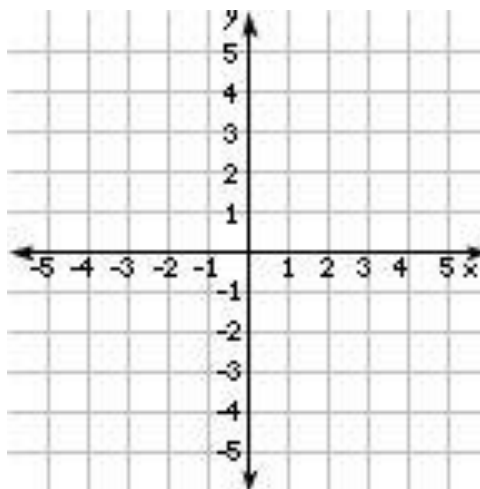
y-int. (0, \_\_\_\_)



6)  $y = 2 - 5x$

x-int. (\_\_\_\_, 0)

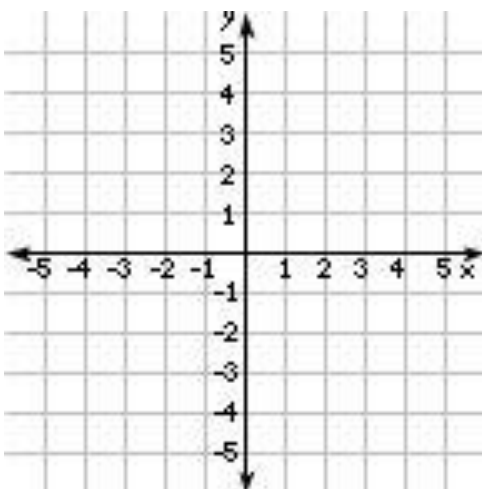
y-int. (0, \_\_\_\_)



7)  $2x - y = 15$

x-int. (\_\_\_\_, 0)

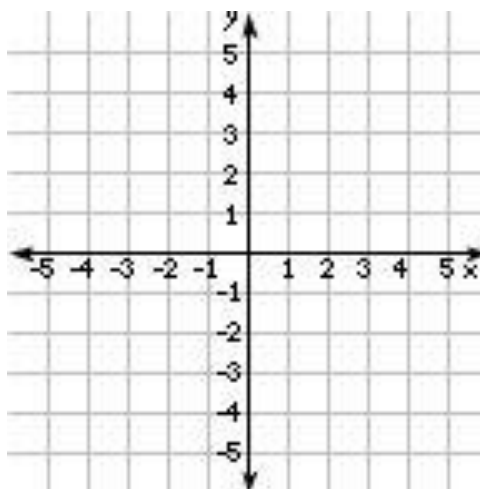
y-int. (0, \_\_\_\_)



8)  $x + 2y = 10$

x-int. (\_\_\_\_, 0)

y-int. (0, \_\_\_\_)



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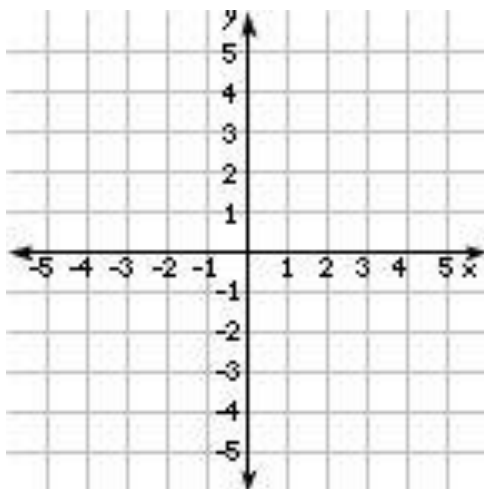
Find the x and y intercepts.

Plot both and graph the line through them.

9)  $y = \frac{3}{4}x + 2$

x-int. (\_\_\_\_, 0)

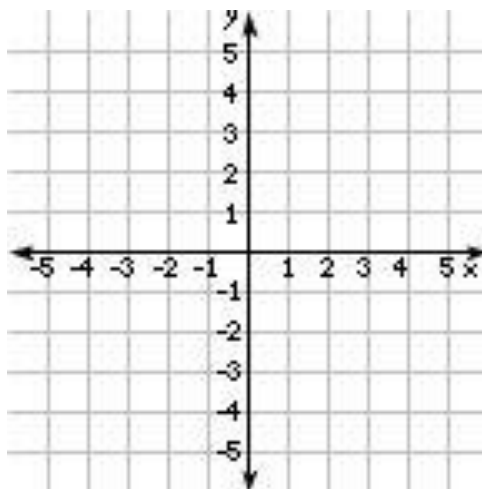
y-int. (0, \_\_\_\_)



10)  $y = 1 - 2x$

x-int. (\_\_\_\_, 0)

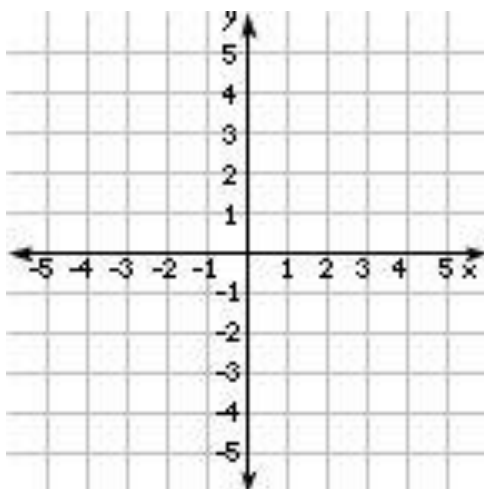
y-int. (0, \_\_\_\_)



11)  $x - 2y = 4$

x-int. (\_\_\_\_, 0)

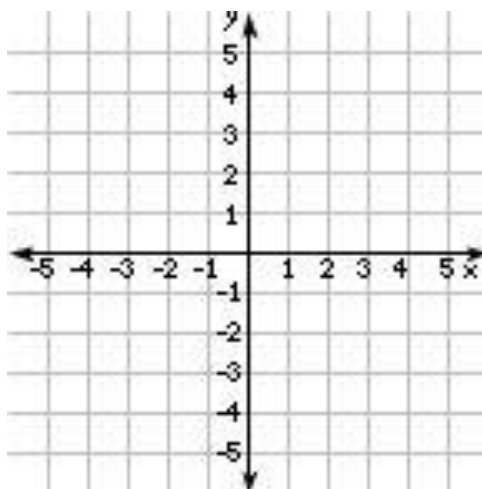
y-int. (0, \_\_\_\_)



12)  $3x + y = 5$

x-int. (\_\_\_\_, 0)

y-int. (0, \_\_\_\_)



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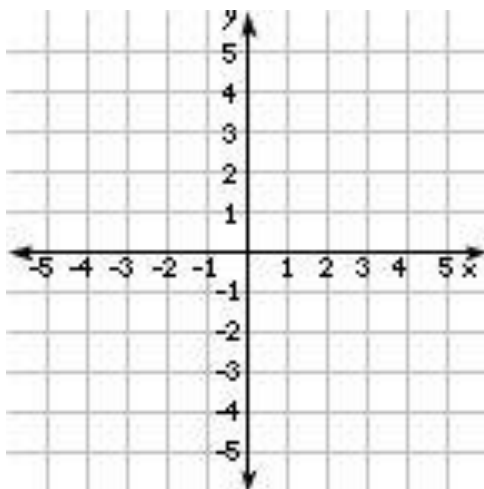
Find the x and y intercepts.

Plot both and graph the line through them.

13)  $y = \frac{3}{2}x - 2$

x-int. (\_\_\_\_, 0)

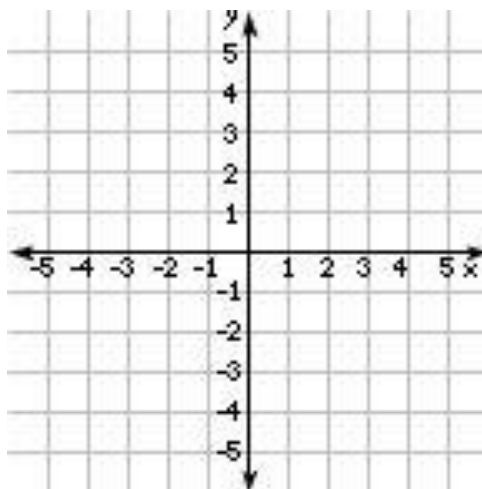
y-int. (0, \_\_\_\_)



14)  $y = 2 - 4x$

x-int. (\_\_\_\_, 0)

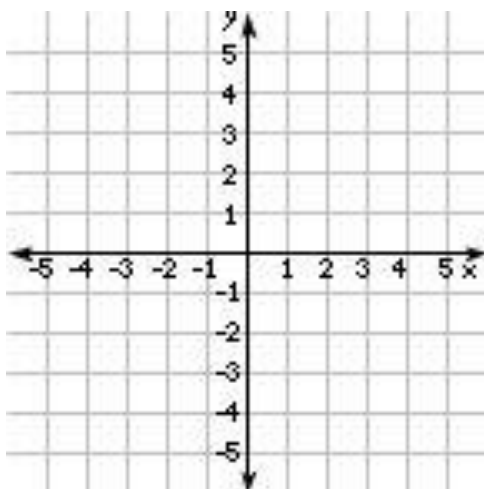
y-int. (0, \_\_\_\_)



15)  $x - y = 9$

x-int. (\_\_\_\_, 0)

y-int. (0, \_\_\_\_)



16)  $2x + y = -2$

x-int. (\_\_\_\_, 0)

y-int. (0, \_\_\_\_)

