

Finding Intercepts

y-intercept
when $x=0$

ex1 $4x - 7 = y$
 $4(0) - 7 = y$ $(0, -7)$
 $-7 = y$

x-intercept
when $y=0$

$4x - 7 = 0$
 $4x = 7$ $(7/4, 0)$
 $x = 7/4$

ex2 $12x + 7y = 8$
 $12(0) + 7y = 8$ $(0, 8/7)$
 $7y = 8$
 $y = 8/7$

$12x + 7(0) = 8$
 $12x = 8$
 $x = 8/12$ $(2/3, 0)$
 $x = 2/3$