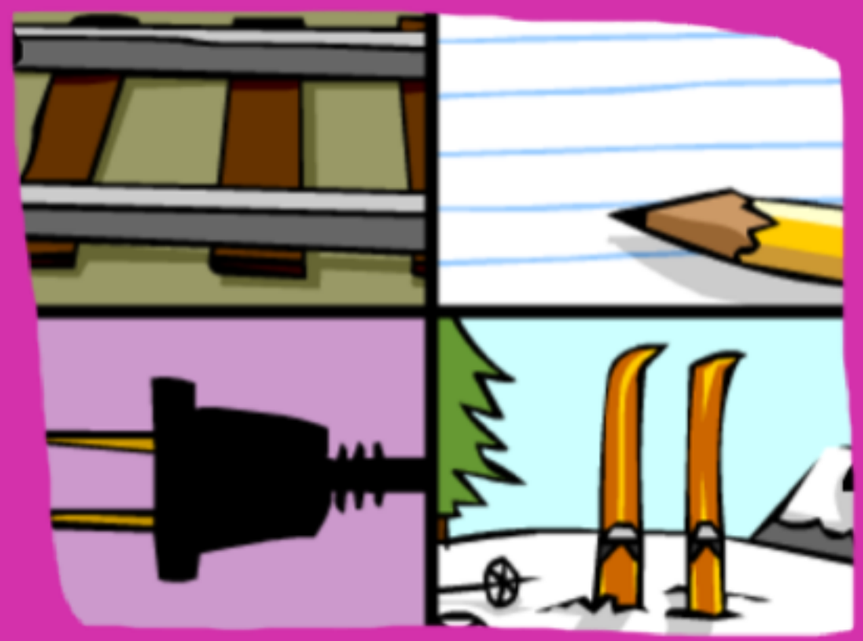
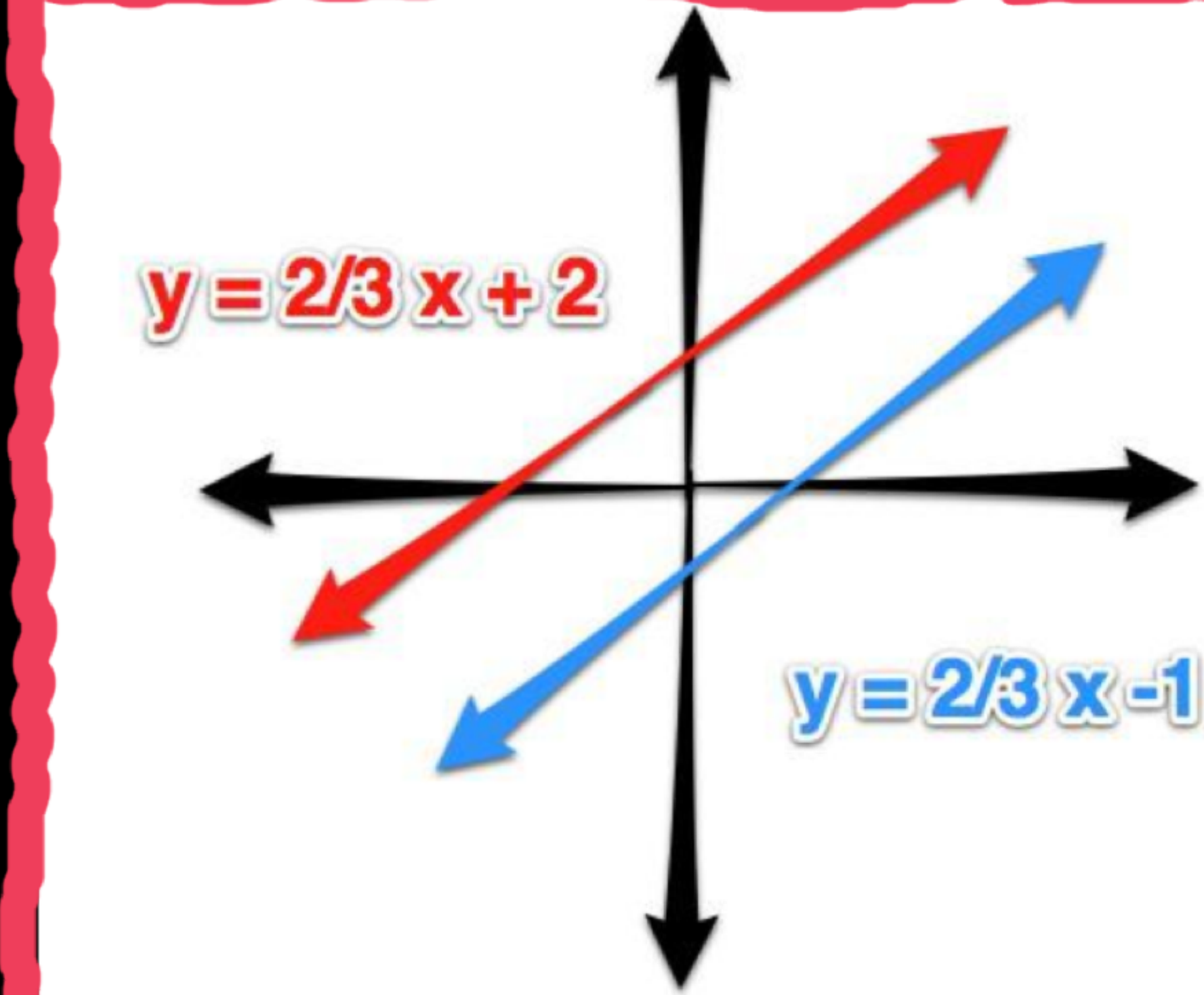
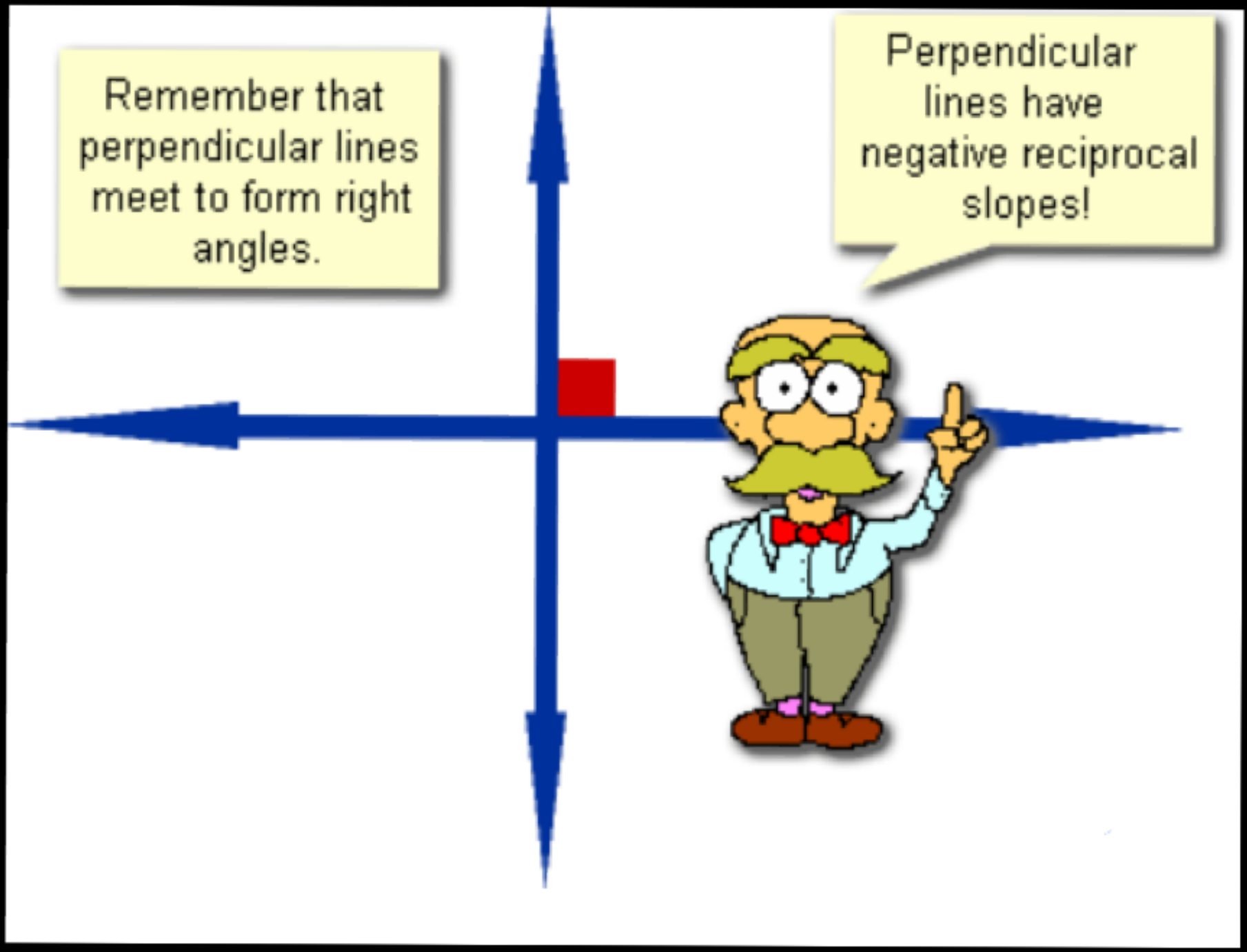
Parallel & Perpendicular Lines



Parallel lines have the same slopes!

Remember that parallel lines never intersect.


y = 2/3 x + 2
y = 2/3 x -1

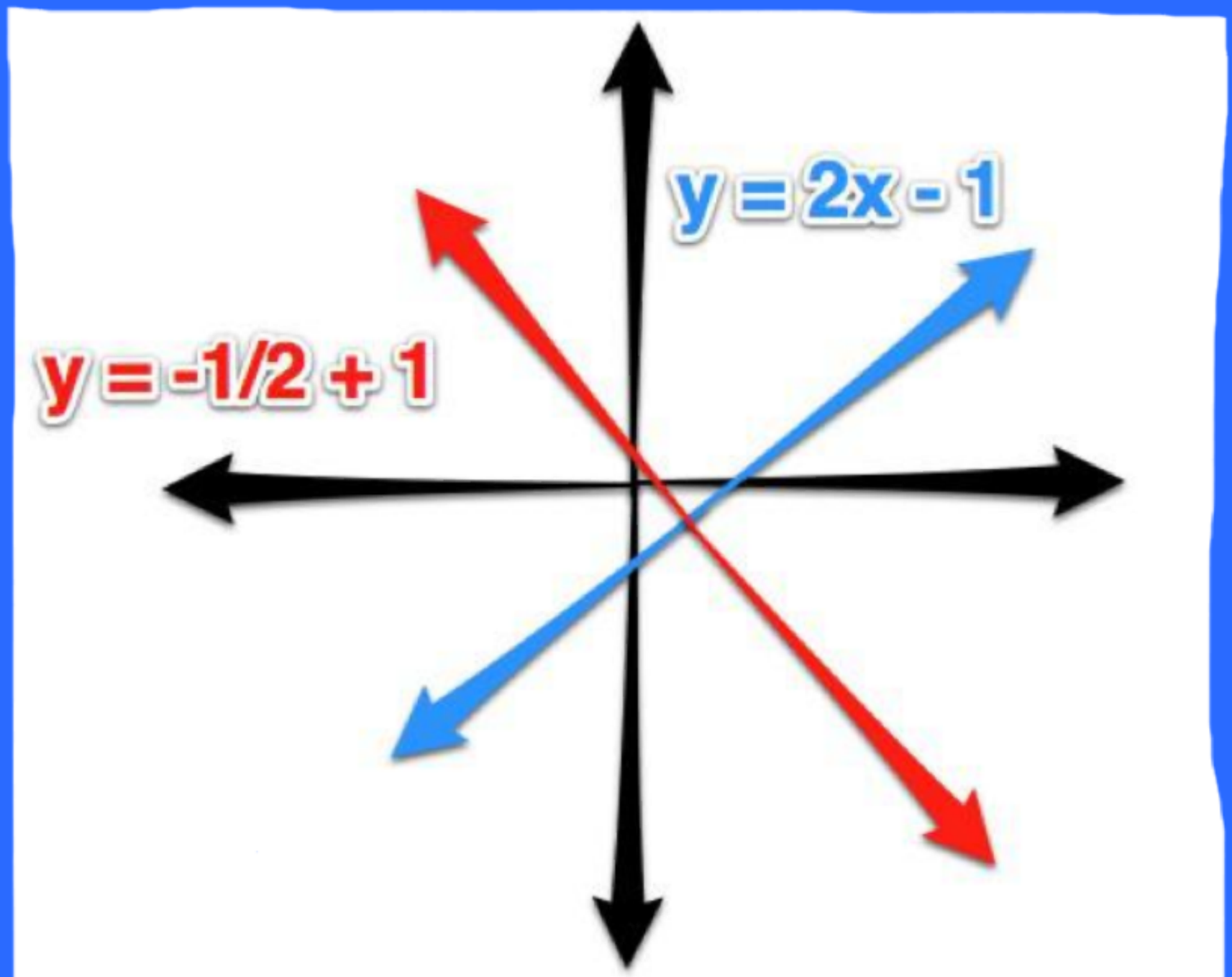


$\frac{2}{3}$ $-\frac{3}{2}$

-5 $\frac{1}{5}$

$-\frac{1}{7}$ $\frac{7}{1}$

4 $-\frac{1}{4}$


y = 2x - 1
y = -1/2 + 1

Parallel or Perpendicular?

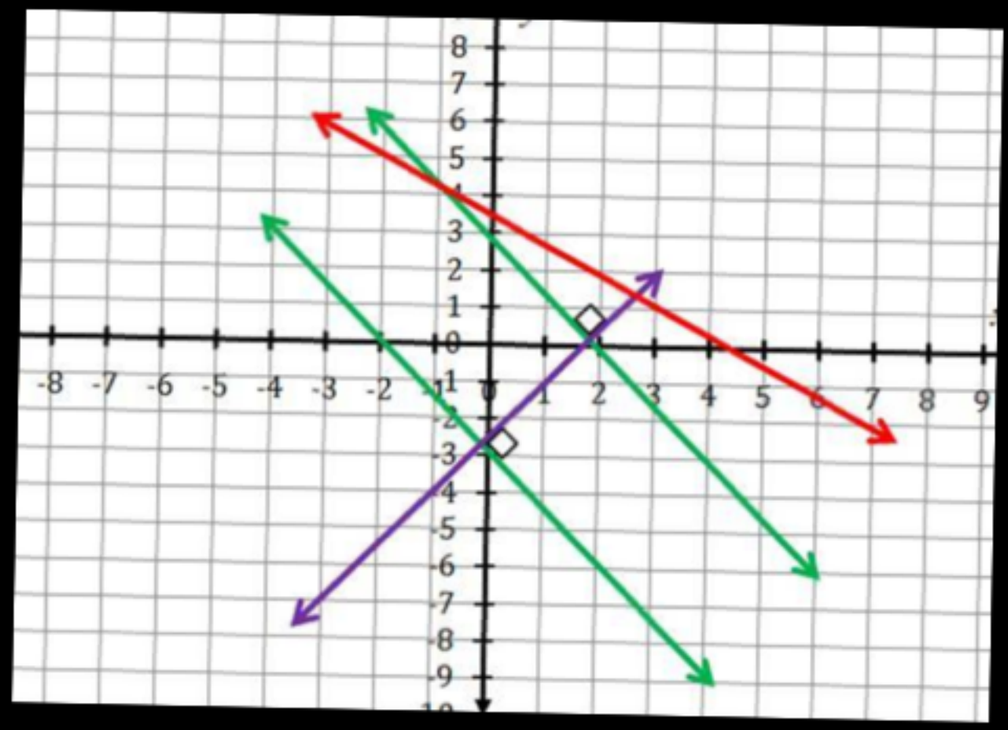
$y = 6x + 12$ and $6x - y = 1$

$y = -\frac{5}{6}x - 4$ and $5x + 6y = -12$

$y = -\frac{5}{2}x - 3$ and $-2x + 5y = 10$

$y = \frac{3}{4}x + 9$ and $y = -\frac{4}{3}x + 1$

Determine which lines are parallel and which are perpendicular



The End