Linear Relationships Practice

Put in Slope-Intercept Form and Graph.

1) $x+2y=4$

$x+2y=-6$

2) $x+2y=8$

$2x-y=6$

3) $-3x-2y=-12$

$6y-4x=-30$

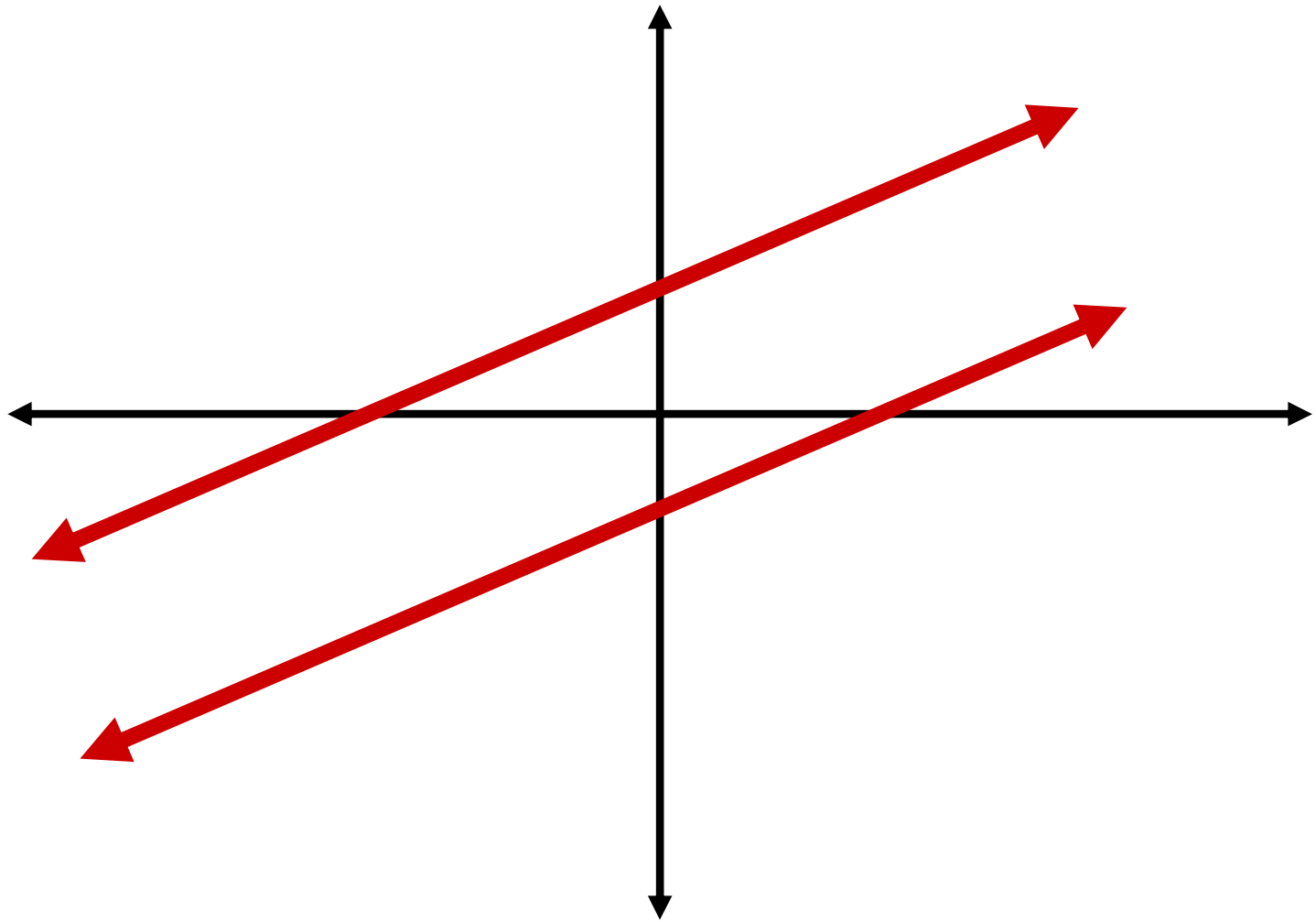
4) $36=2x-6y$

$5(2-y)=-15x$

Parallel Lines

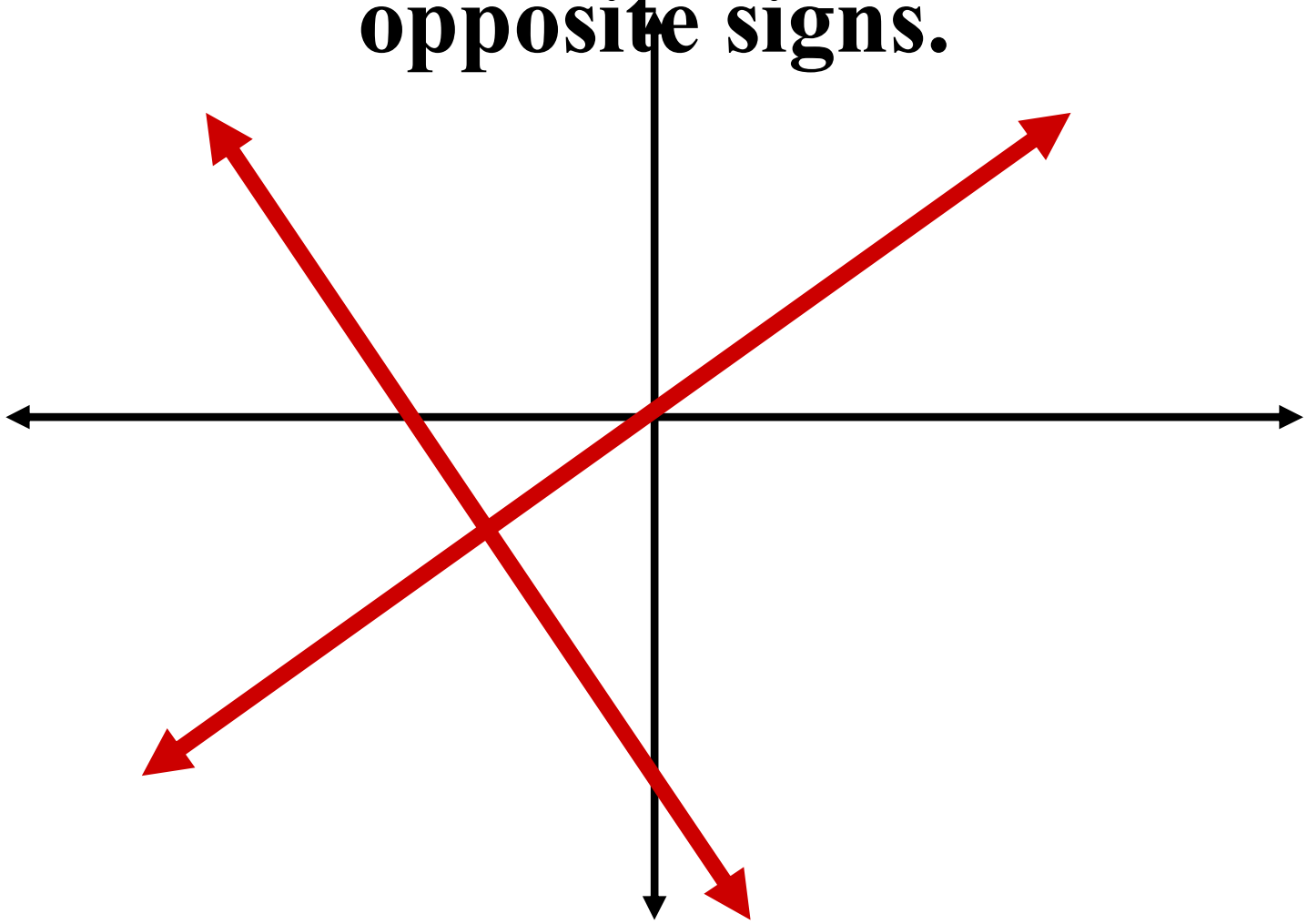
TRUTH

Parallel Lines never intersect because their slopes are the same.



Perpendicular Lines TRUTH

Perpendicular Lines intersect at a right angle because their slopes are reciprocals and have opposite signs.



Parallel & Perpendicular WAY

Decide whether the lines are Parallel, Perpendicular, or Neither.

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

2) $y = -4x \qquad y = \frac{1}{4}x - 6$

3) $x + 2y = -8$

$-2x + y = 3$

4) $3x - y = 4$

$6x - 2y = -12$