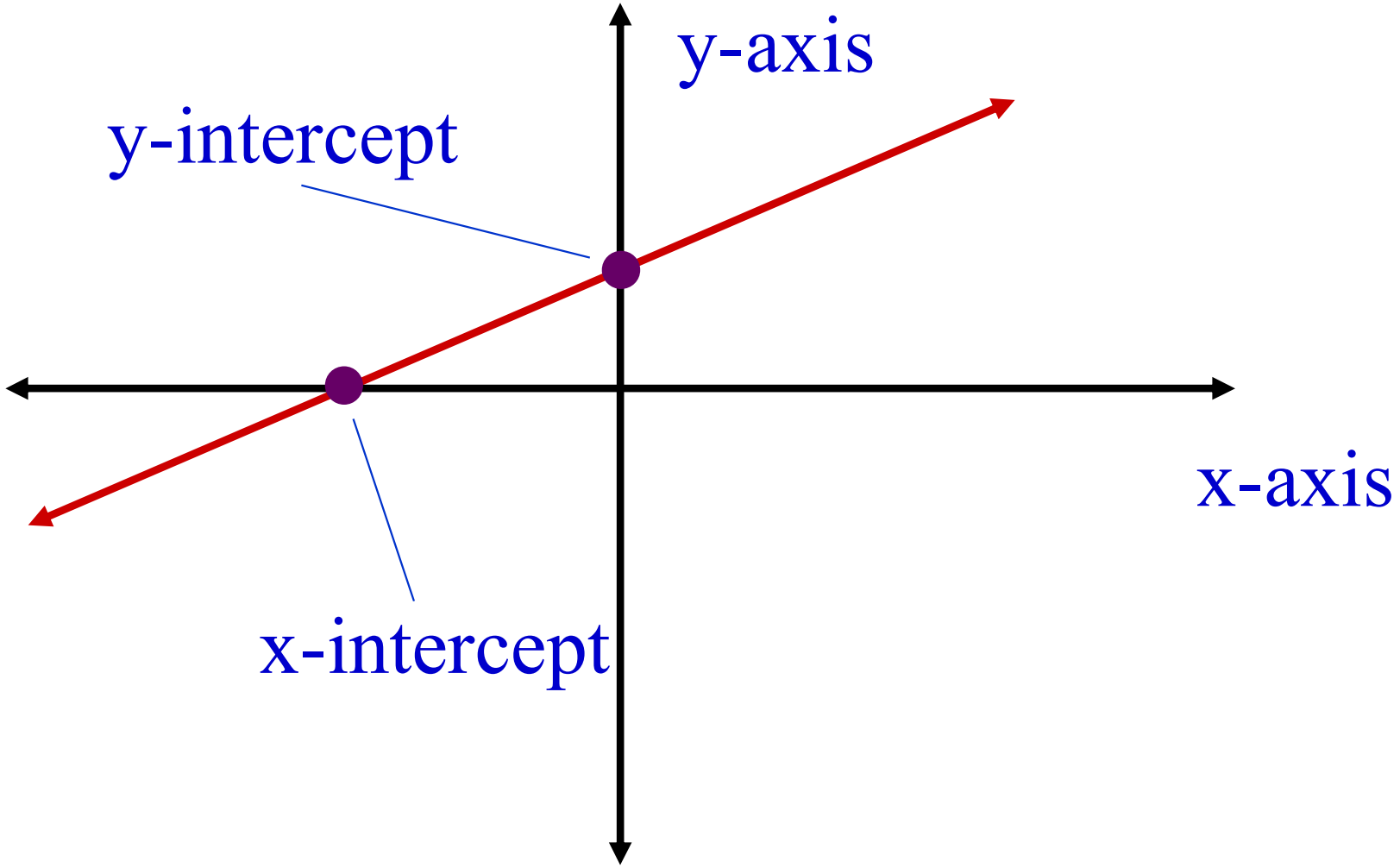
Intercepts

TRUTH

Intercepts are the points where a line crosses the x-axis and the y-axis on a graph.



Intercepts REVIEW

Complete the Ordered Pair. Then Graph.

$$3x + y = 6$$

A) $(__, -9)$

B) $(-1, __)$

C) $(__, -3)$

D) $(1, __)$

Intercepts

TRUTH

We can find the intercepts without graphing.

$(___,0)$ $(0,___)$

After plugging in *ZERO*,
then we complete each Ordered Pair.

Intercepts

TRUTH

Find the x- and y- intercepts.

$$2x-3y=12$$

X-Intercept

$(x,0)$

$2x-3(0)=12$

$2x=12$

$x=6$

$(6,0)$

Y- Intercept

$(0,y)$

$2(0)-3y=12$

$-3y=12$

$y=-4$

$(0,-4)$

Now use the Intercepts to graph a line.

Intercepts WAY

Find the x- and y- intercepts. Then Graph.

3) $-2x+4y=16$

4) $-8y-12x=24$

5) $y=-4x-8$

6) $\frac{1}{2}y-\frac{1}{3}x=5$

