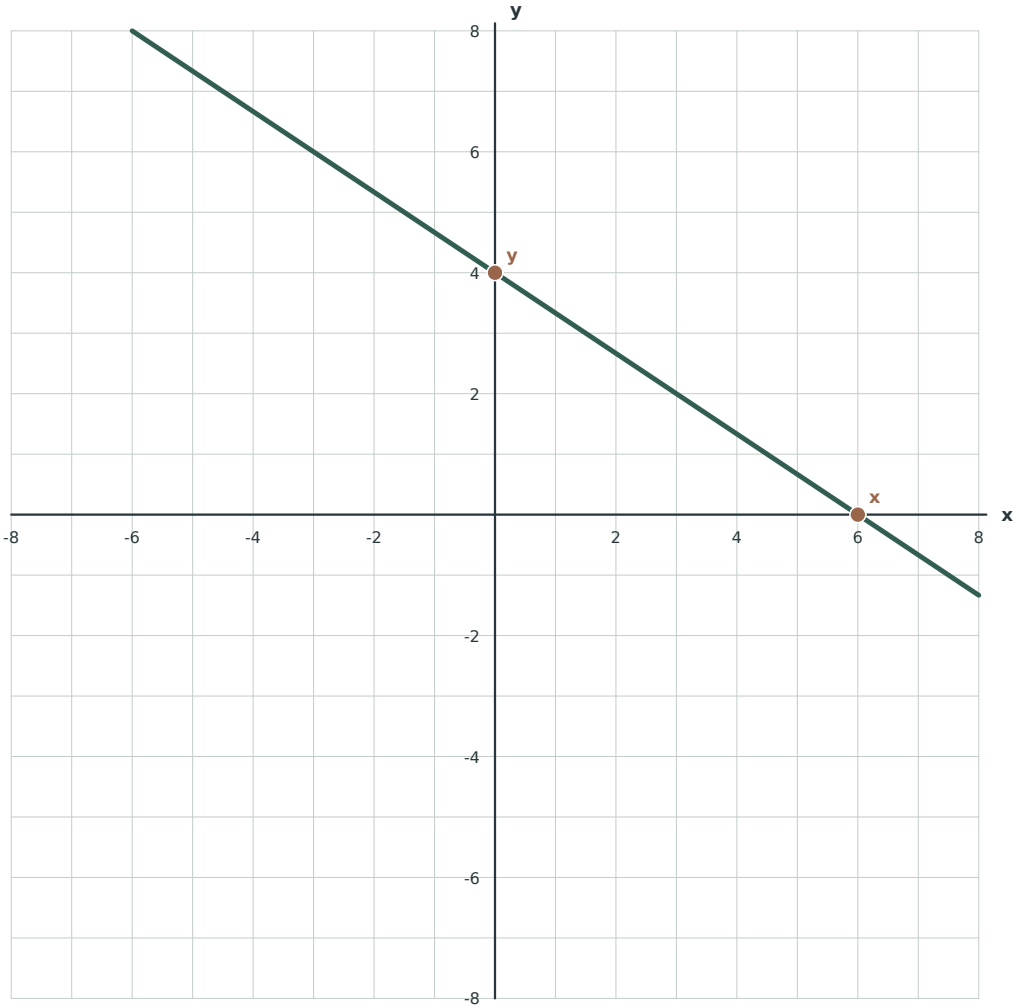
Positive intercepts

Find each intercept by setting the other variable to zero. Plot both intercepts and draw the line through them.

2x + (3)y = 12.



1. Find x- and y-intercepts. x-intercept 6; y-intercept 4.

2. Copy the standard-form equation. Equation 2x + (3)y = 12.

3. Draw the line through valid points. Use two intercepts to draw the line.

Original practice data / coordinate units, not ruler measurements / physical printing not tested

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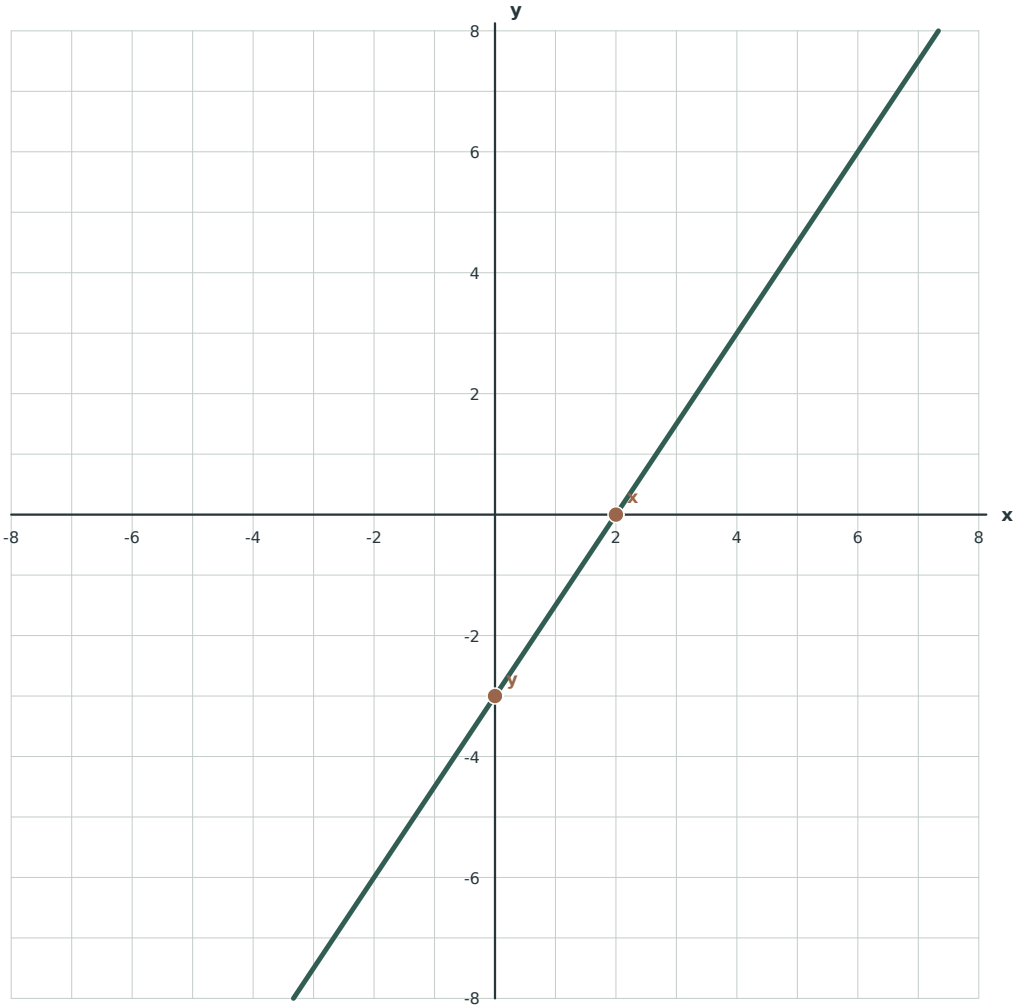
A falling line

Find each intercept by setting the other variable to zero. Plot both intercepts and draw the line through them.

3x + (-2)y = 6.



1. Find x- and y-intercepts. x-intercept 2; y-intercept -3.

2. Copy the standard-form equation. Equation 3x + (-2)y = 6.

3. Draw the line through valid points. Use two intercepts to draw the line.

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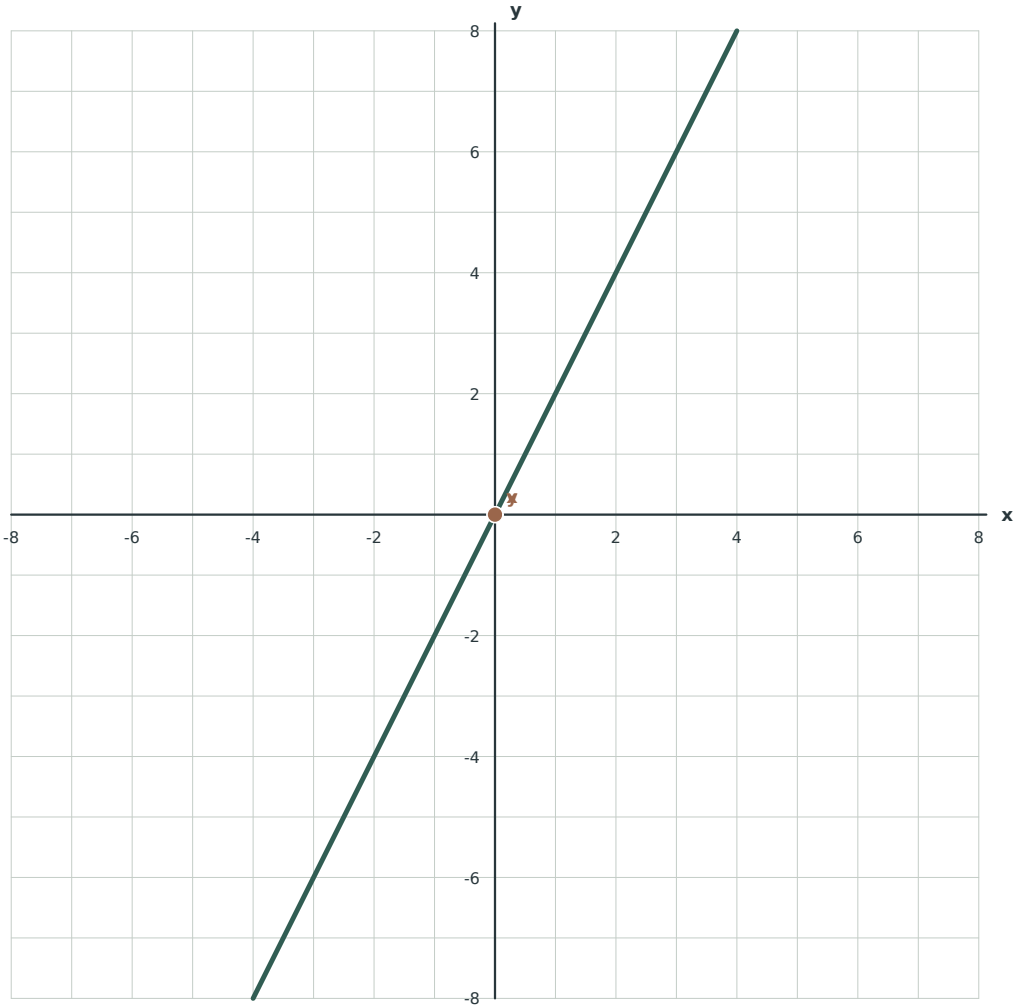
A line through the origin

Find each intercept by setting the other variable to zero. Plot both intercepts and draw the line through them.

4x + (-2)y = 0.



1. Find x- and y-intercepts. x-intercept 0; y-intercept 0.

2. Copy the standard-form equation. Equation 4x + (-2)y = 0.

3. Draw the line through valid points. Use two intercepts to draw the line.

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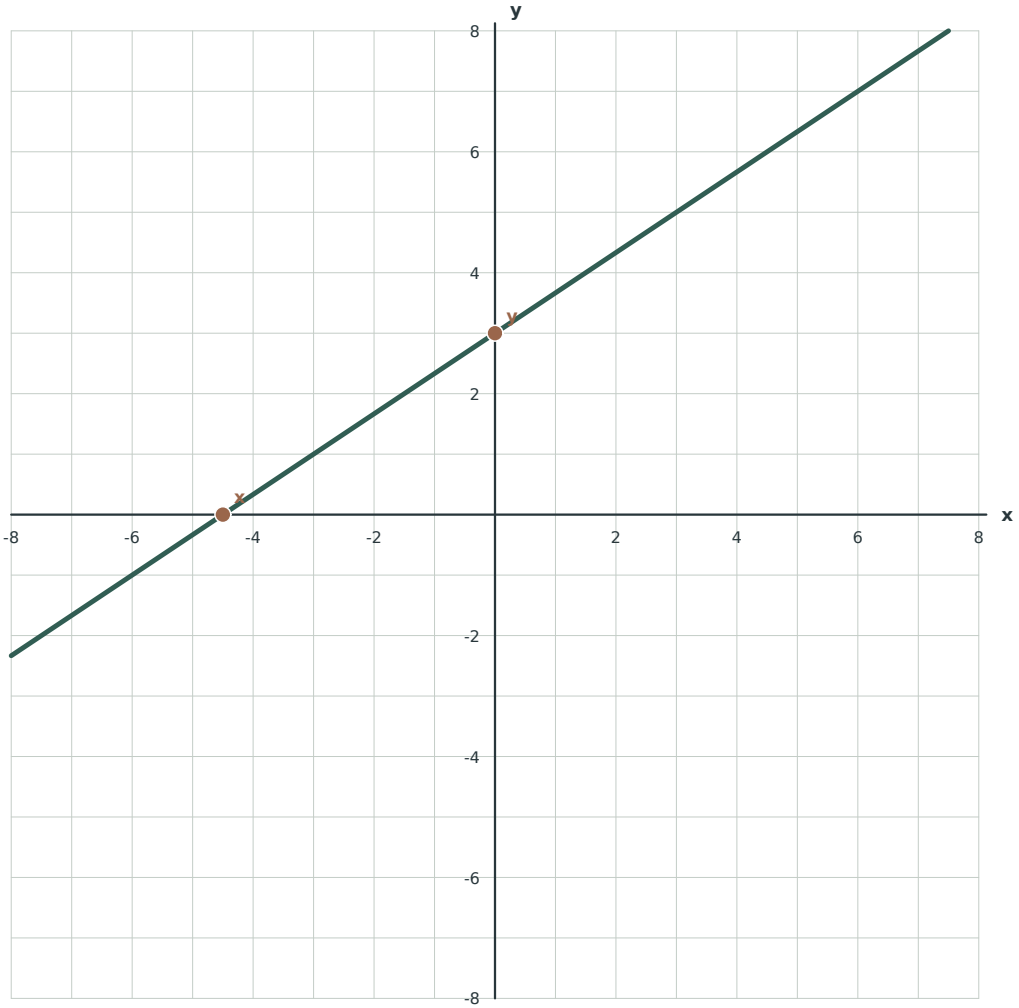
Mixed signs

Find each intercept by setting the other variable to zero. Plot both intercepts and draw the line through them.

-2x + (3)y = 9.



1. Find x- and y-intercepts. x-intercept -9/2; y-intercept 3.

2. Copy the standard-form equation. Equation -2x + (3)y = 9.

3. Draw the line through valid points. Use two intercepts to draw the line.

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