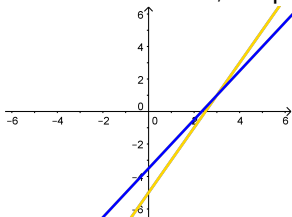# Finding Intersection Point

Finding Intersection Point

▸ We saw two lines can either intersect, be parallel, or the same
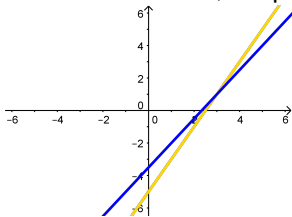
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We now will look at how to find the intersection point.

Finding Intersection Point

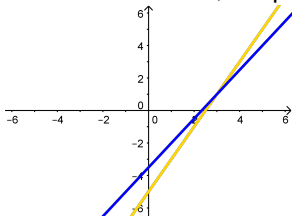▶ We saw two lines can either intersect, be parallel, or the same

We now will look at how to find the intersection point.
Let's find the point of intersection for:
$$y = 2x - 5$$
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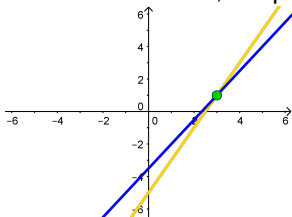Let's find the point of intersection for:
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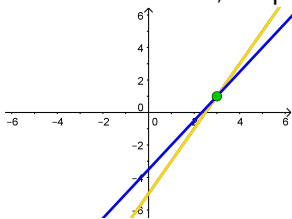Let's find the point of intersection for:

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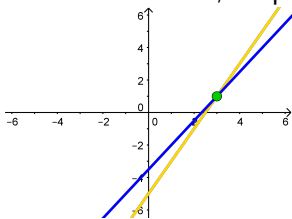Let's find the point of intersection for:

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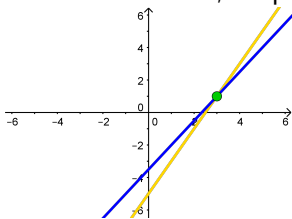Let's find the point of intersection for:

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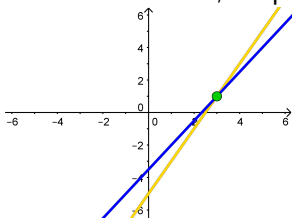Let's find the point of intersection for:

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▸ We can solve this equation with 1 Variable: $x = 3$

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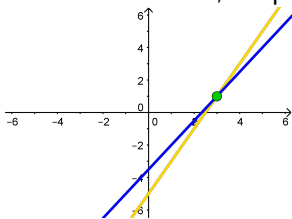
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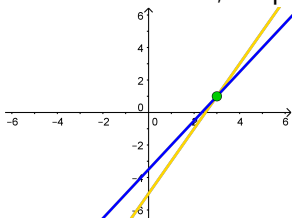second equation with the y from the first to get:

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Since $x = 3$, we can solve for y to get: $y = 2 \cdot 3 - 5 = 1$

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So, the lines intersect at the point $(3, 1)$