1) Find the equation of the line with a slope of , through the point

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| Solution: | Visual: |

Example 2: Find the equation of the line that is perpendicular to through the point

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| Solution: | Visual: |

3) Find the equation of the line that passes through the points and

|  |  |
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| Solution: | Visual: |

4) Find the equation of the line with the same y-intercept as that is also perpendicular to .

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| Solution: | Visual: |