Sketching Linear Graphs Using the Gradient and the y-Intercept

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| Question | Reflect – what do you know? | Expect – what do you think the graph might look like? | Check – sketch the graph here. |
| $$y=x$$ |  |  |  |
| $$y=2x$$ |  |  |
| $$y=3x$$ |  |  |  |
| $$y=3x+1$$ |  |  |
| $$y=3x+2$$ |  |  |  |
| $$y=3x-2$$ |  |   |

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| Question | Reflect – what do you know? | Expect – what do you think the graph might look like? | Check – sketch the graph here. |
| $$y=2+3x$$ |  |  |  |
| $$y=2-3x$$ |  |  |
| $$y=-3x+2$$ |  |  |  |
| $$y=2(-3x+2)$$ |  |  |
| $$y=\frac{1}{2}(-3x+2)$$ |  |  |  |
| $$y=\frac{1}{3}(-3x+2)$$ |  |  |