Sketching Straight Line Graphs

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| Question – sketch the graph of… | Reflect – what do you already know? | Expect – what might it look like? Why? | Check – show your working here! |
| $$y=x$$ |  |  | Image result for x y axes |
| $$y=2x$$ |  |  | Image result for x y axes |
| $$y=3x$$ |  |  | Image result for x y axes |
| $$y=-3x$$ |  |  | Image result for x y axes |

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| Question – sketch the graph of… | Reflect – what do you already know? | Expect – what might it look like? Why? | Check – show your working here! |
| $$y=-3x+1$$ |  |  | Image result for x y axes |
| $$y=-3x+2$$ |  |  | Image result for x y axes |
| $$y=3x+2$$ |  |  | Image result for x y axes |
| $$y=3x-2$$ |  |  | Image result for x y axes |

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| Question – sketch the graph of… | Reflect – what do you already know? | Expect – what might it look like? Why? | Check – show your working here! |
| $$y=-2+3x$$ |  |  | Image result for x y axes |
| $$y=3-2x$$ |  |  | Image result for x y axes |
| $$y=3-x$$ |  |  | Image result for x y axes |
| $$y=-x+3$$ |  |  | Image result for x y axes |

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| Question – sketch the graph of… | Reflect – what do you already know? | Expect – what might it look like? Why? | Check – show your working here! |
| $$y=-\frac{x}{2}+3$$ |  |  | Image result for x y axes |
| $$y=-\frac{1}{2}x+3$$ |  |  | Image result for x y axes |
| $$y=\frac{1}{2}x+3$$ |  |  | Image result for x y axes |
| $$y=\frac{x}{2}+3$$ |  |  | Image result for x y axes |