|  |  |  |
| --- | --- | --- |
| **Green** | **Amber** | **Red** |
| Complete this table for the graphY = ½ x - 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X | 0 | 1 | 2 | 3 | 4 |
| y |  |  |  |  |  |

 | Complete this table for the graphy = 2x + 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X | 0 | 1 | 2 | 3 | 4 |
| Y |  |  |  |  |  |

 | Complete this table for the graphx + y = 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X | 0 | 1 | 2 | 3 | 4 |
| y |  |  |  |  |  |

 |
| What is the y intercept for the liney = 3x – 5 | What is the gradient for the liney = 7 – 2x | What is the gradient for the liney = 3x + 2 |
| Are the two lines parallel? Give a reason.y = 2x - 4y = -2x + 3 | Are the two lines parallel? Give a reason.y = 3x - 4y - 3x = 2 | Are the two lines parallel? Give a reason.y = 2x - 5y = 5x – 5 |
| What is the equation of this line? | What is the equation of this line?  | What is the equation of this line? |
| Are the two lines parallel?Give a reason2y – 10x = 4y – 2 = 5x | Do these lines have the same y intercept? Explain why.y = 2x – 2y + 3 = x | What is the gradient of the line joining(-2, 7) and (4, -2) |
| Are the two lines perpendicular?Give a reasony = 2x - 4y = -2x + 3 | Are the two lines perpendicular?Give a reasony = ½ x - 7y = 7 - 2x | Are the two lines perpendicular?Give a reasony + ¼ x =7y + 2 = 4x |