**Year 10 Assessment 3 Revision Homework Foundation**

**Name: ……………………………………… Teacher: ………………………………**

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| **Fractions** | **/10** | **Angles** | **/15** | **Graphs** | **/10** | **Statistics** | **/10** |

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|  | **Fractions** |  |
| 1. | Write in its simplest form  ………………… | **(1)** |
| 2. | Convert into an improper fraction  ………………… | **(1)** |
| 3. | Find:  a) = …………………… b) = …………………… | **(2)** |
| 4. | Calculate:  a) b)  ……………………………………… ………………………………………  ……………………………………… ………………………………………  ……………………………………… ………………………………………  c) d)  ……………………………………… ………………………………………  ……………………………………… ………………………………………  ……………………………………… ……………………………………… | **(4)**  **(3)** |
| 5. | Order the following from smallest to biggest:   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | 0.67 | 65% | 0.7 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | ………… | …………… | ………… | ………… | ………… | | **(2)** |
| 6. | Use short division to write as a decimal  ……………………… | **(2)** |
|  | **TOTAL** | **/15** |

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|  | **Angles** |  |
| 1. | Calculate the missing angles:         |  |  |  | | --- | --- | --- | | *x =* …………⁰ | *y =* …………⁰ | *a =* …………⁰ *b=* …………⁰ | | **(4)** |
| 2. | Calcuate the missing angles:  *l =* …………⁰  *m =* …………⁰  *n =* …………⁰ | **(3)** |
| 3. | Name the following shapes:  …………………………………………… …………………………………………… | **(2)** |
| 4. | Calculate the missing angle in the quadrilateral:  55⁰  70⁰  *x*    105⁰  *x =* …………⁰ | **(2)** |
| 5. | B is 3 cm from A on a bearing of 125⁰. Accurately show where B is  A ● | **(2)** |
| 6. | The bearing of B from A is 055⁰  Calculate the bearing of A from B:  ………………………… | **(2)** |
|  | **TOTAL** | **/15** |

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|  | **Graphs** |  |
| **1.** | Circle the equations which are parallel: | **(1)** |
| **2.** | Identify the equations of the Lines A and B  Line A : …………………………………………  Line B : …………………………………………  Line A  Line B | **(2)** |
| **3.** | Find the midpoint and the gradient o the line AB    Midpoint ( ………… , …………)  Gradient ………………………… | **(4)** |
| **5.** | a) Complete the table of values   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | *x* | –1 | 0 | 1 | 2 | 3 | 4 | | *y* |  | –3 | –1 |  |  |  |   for  *y* = 2*x* – 3  b) Use your table to plot the graph of the line *y =* 2*x* – 3 | **(3)** |
|  | **TOTAL** | **/10** |

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|  | **Statistics** |  |
| **1.** | Leanne asked each of her friends which one country they would most like to visit. Here are her results:  USA France Italy USA France Spain Italy Australia  USA Spain France Italy Italy France Italy USA  Australia Spain USA France  Complete the frequency table.   |  |  |  | | --- | --- | --- | | **Country** | **Tally** | **Frequency** | | Australia |  |  | | France |  |  | | Italy |  |  | | Spain |  |  | | USA |  |  | | **(2)** |
| **2.** | The bar chart shows how everyone in Sophie’s class travelled to school.    4 students travel to school by car.  7 students travel to school by bus.  Complete Sophie’s bar chart.  Work out the total number of students in Sophie’s Class  ……………… | **(2)**  **(2)** |
| **3.** | The table gives information about the medals won by Austria in the 2002   |  |  |  | | --- | --- | --- | | **Medal** | **Frequency** |  | | Gold | 3 |  | | Silver | 4 |  | | Bronze | 11 |  | |  |  |  |   Draw an accurate  pie chart to show  this information. | **(4)** |
|  | **TOTAL** | **/10** |