**Algebraic Fractions - Factorise and Simplify**

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| Name : | Class : | Date : |

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| **1)** Simplify the following      a)  $\frac{6-36a}{60}$     b)  $\frac{27z-24}{9+3z}$     c)  $\frac{4y+14}{10y+35}$ | [10]   |
|      d)  $\frac{3a^{2}-6a}{5a-10}$     e)  $\frac{b^{2}+5b+4}{b+1}$     f)  $\frac{y+1}{y^{2}+3y+2}$ |  |
|      g)  $\frac{b^{2}+3b-40}{b-5}$     h)  $\frac{b-9}{b^{2}-7b-18}$     i)  $\frac{y^{2}+13y+36}{y^{2}+9y+20}$ |  |
|      j)  $\frac{y^{2}-14y+48}{y^{2}-13y+42}$ |  |

**Solutions for the assessment Algebraic Fractions - Factorise and Simplify**

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| **1)**  a)  $\frac{1-6a}{10}$ |      b)  $\frac{9z-8}{3+z}$ |
|      c)  $\frac{2}{5}$ |      d)  $\frac{3a}{5}$ |
|      e)  $b+4$ |      f)  $\frac{1}{y+2}$ |
|      g)  $b+8$ |      h)  $\frac{1}{b+2}$ |
|      i)  $\frac{y+9}{y+5}$ |      j)  $\frac{y-8}{y-7}$ |