Arithmetic Series in Sigma Notation

Evaluate each arithmetic series.

1) $\displaystyle\sum_{u=1}^{31} (-65 - 125u)$

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2) $\displaystyle\sum_{y=1}^{45} (22.2(y+4) - 7.2)$

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3) $\displaystyle\sum_{z=1}^{15} \dfrac{39z}{5}$

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4) $\displaystyle\sum_{a=1}^{10} (-8.5 + 55a)$

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5) $\displaystyle\sum_{f=1}^{46} (-3.6 + 66f)$

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6) $\displaystyle\sum_{p=1}^{42} \left(71p + \dfrac{11.7}{6}\right)$

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7) $\displaystyle\sum_{k=1}^{24} (-35.5(k+1) + 2.4)$

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8) $\displaystyle\sum_{c=1}^{6} (-19 + 3(c+9))$

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