

## Relay answers

December 16, 2024

**Answer A1 :**  $\frac{25}{108}$

**Answer B1 :**  $-1$

**Answer A2 :**  $4$

**Answer B2 :**  $65535$

**Answer A3 :**  $\frac{x}{2}$

**Answer B3 :**  $u = \frac{1 \pm \sqrt{5}}{2}$   
 $f(x)_{min} = -\frac{5}{4}$

**Answer A4 :**  $(21, -6)$

**Answer B4 :**  $20 \text{ unit}^2$

**Answer A5 :** 18 coins, 13 pound coins, 3 crowns, 1 florin, and 1 halfpence

**Answer B5 :** 12 coins, 6 pound coins, 1 shilling, 1 sixpence, 3 pence and 1 halfpence

**Answer A6 :**  $4\sqrt{10}g^{-\frac{1}{2}}$

**Answer B6 :**  $3\sqrt{g}$

**Answer A7 :**  $\frac{11R}{6}$