

$$rf(0) = r(a+1)(v) = 14a + 14$$

$$f(-r) = 14a - 14$$

$$14a + 14 = 14a - 14 + a \Rightarrow a = -\frac{9}{5}$$

$$rf(n) - rf(-n) = 14n^r - 2n$$

$$-rf(n) + rf(-n) = 14n^r + 2n$$

$$\Rightarrow -5f(n) = 14n^r - 2n + 14n^r + 2n = 28n^r + 2n$$

$$\Rightarrow f(n) = -14n^r - \frac{n}{5}$$

$$\textcircled{1} n=0 \quad \left\{ \begin{array}{l} rf(0) = 14m - 14 \end{array} \right. \Rightarrow 9m - 14 = 14 + 5m$$

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$$\textcircled{2} n=-r \quad \left\{ \begin{array}{l} 4f(0) = 14 + 14m + 14m - 14 = 14 + 5m \end{array} \right. \quad m = \frac{9}{5}$$

$$\Rightarrow 4f(0) = \frac{14 \cdot 9}{5} \Rightarrow \frac{14 \cdot 9}{5} = f(0)$$

$$f(-1) + f(-1) = \frac{14 + 14 + 14}{-1} \Rightarrow f(-1) = -9$$

$$\frac{1}{\sqrt{r-\sqrt{s}}} \times \frac{\sqrt{r+\sqrt{s}}}{\sqrt{r+\sqrt{s}}} = \frac{\sqrt{r+\sqrt{s}}}{1}$$

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$$f(r-\sqrt{s}) + f(r+\sqrt{s}) = r\sqrt{r+\sqrt{s}} + r\sqrt{r-\sqrt{s}} + r$$

سوال ۷