$$\frac{7 \text{ v}}{\text{v}^2 - 36} + \frac{\text{v} + 2}{4 \text{ v} - 24}$$

$$\frac{\text{v}^2 - 9 \text{ v} + 12}{\text{v}^2 - 36}$$

أجد ناتج ما يأتي واكتبه في أبسط صورة: 2٠

$$\frac{v^{2}+28 v+2}{v^{2}-36}$$

$$\frac{v^{2}+36 v+12}{4 v^{2}-144}$$

$$v^{2}+8 v+2$$

4 v²-144

$$\frac{7 v}{v^2 - 36} + \frac{v + 2}{4 v - 24} = \frac{7 v}{(v - 6) (v + 6)} + \frac{v + 2}{4 (v - 6)}$$

$$= \frac{4(7 \text{ V})}{4(\text{V}-6)(\text{V}+6)} + \frac{(\text{V}+2)(\text{V}+6)}{4(\text{V}-6)(\text{V}+6)}$$

$$= \frac{28 \text{ V}}{4 (\text{V}-6) (\text{V}+6)} + \frac{\text{V}^2 + 8 \text{ V} + 12}{4 (\text{V}-6) (\text{V}+6)}$$
$$= \frac{28 \text{ V} + \text{V}^2 + 8 \text{ V} + 12}{4 (\text{V}-6) (\text{V}+6)}$$

$$= \frac{28 \text{ V} + \text{V}^2 + 8 \text{ V} + 12}{4 (\text{V} - 6) (\text{V} + 6)}$$
$$= \frac{\text{V}^2 + 36 \text{ V} + 12}{3}$$

 $4 v^2 - 144$