

Preverite, ali velja

$$\frac{a^{\frac{4}{3}} - a^{\frac{1}{3}}}{a^{\frac{4}{3}} + 2a^{\frac{1}{3}}} - \frac{5a^{\frac{4}{3}} + 5a^{\frac{1}{3}}}{a^{\frac{7}{3}} + 3a^{\frac{4}{3}} + 2a^{\frac{1}{3}}} = \frac{a-2}{a+2}$$

$$a^{\frac{4}{3}} - a^{\frac{1}{3}} = a^{\frac{1}{3}}(a-1) \text{ itd}$$

$$\frac{a^2 - a}{a^2 + 2a} - \frac{5a^2 + 5a}{a^3 + 3a^2 + 2a} = \frac{a-2}{a+2}$$

ker $a^m - a^m = a(a-1)$

$$\frac{a-1}{a+2} - \frac{5a+5}{a^2+3a+2} = \frac{a-2}{a+2}$$

$\frac{1}{3}$ $\frac{4}{3} - \frac{1}{3} = 1$

$$\frac{a-1}{a+2} - \frac{5a+5}{(a+2)(a+1)} = \frac{a-2}{a+2}$$

$$\frac{(a-1)(a+1) - 5a - 5}{(a+2)(a-2)} = \frac{a-2}{a+2}$$

$$\frac{a^2 - 1 - 5a + 5}{a-2} = a-2$$

$$\frac{a^2 - 5a + 4}{a-2} = a-2$$

$$\frac{(a-3)(a-2)}{a-2} = a-2$$

$$(a-3)$$

$$(a-2)$$

Ne