

תרגול פסיכומטרי - חזקות ושורשים 5



.1 $\left(\frac{x}{\sqrt{x}}\right)^3 = \left(\frac{y}{\sqrt{y}}\right)^6$
 $y = ?$

\sqrt{x} (4) x^2 (3) x^{-1} (2) x (1)

.2 $c > 0$; $\frac{a^6}{\frac{b^3}{a^4}} = c^2$
 $c = ?$

ab^2 (4) $a^2\sqrt{b}$ (3) ab (2) $a\sqrt{b}$ (1)

.3 $\sqrt[3]{\sqrt[2]{\sqrt[4]{(a^4 \cdot b^6)^{12}}}} = ?$

$a^3 \cdot b^3$ (4) $a^2 \cdot b^3$ (3) $a^2 \cdot b^2$ (2) ab (1)

.4 $125 \cdot 25^2 \cdot 32 \cdot 4 = ?$

20^7 (4) 20^{10} (3) 10^5 (2) 10^7 (1)

.5 $\sqrt{162} - \sqrt{72} = ?$

9 (4) $9\sqrt{3}$ (3) $\sqrt{90}$ (2) $3\sqrt{2}$ (1)

.6 $\sqrt[3]{2} \cdot \sqrt[4]{9} \cdot 2^{\frac{1}{3}} \cdot \sqrt[4]{18} = ?$

$16\sqrt[4]{2}$ (4) $3\sqrt[4]{2}$ (3) $2\sqrt[4]{3}$ (2) 1 (1)

.7 $\sqrt[3]{32^2} = ?$

2 (4) $2\sqrt[3]{16}$ (3) $4\sqrt[3]{16}$ (2) $4\sqrt[3]{2}$ (1)
