

② Αν $\hat{\omega}$ ορίζεται και $u^2x + 6uvx = \frac{7}{5}$ Να βρείτε $A = u^2x - 6uvx$

ΛΥΣΗ

$$(u^2x + 6uvx)^2 = \frac{49}{25}$$

$$u^4x + 26uvx + 6v^2x = \frac{49}{25}$$

└──────────────────┘



$$1 + 26uvx = \frac{49}{25} \Rightarrow 26uvx = \frac{49}{25} - 1$$

$$\Rightarrow 26uvx = \frac{49}{25} - \frac{25}{25} \Rightarrow 26uvx = \frac{24}{25} \Rightarrow 6uvx = \frac{24}{50}$$

$$\Rightarrow 6uvx = \frac{12}{25} \quad \text{Άρα} \quad A = \frac{12}{25}$$