

Ausklammern / Faktorisieren 3



1. Klammere aus.

$$49x + 7y^2 + 7x^2 = \text{-----}$$

$$3x - 39x^2 = \text{-----}$$

$$8a - 64 = \text{-----}$$

$$44a^2 + 36b + 16c^3 = \text{-----}$$

$$16v^2 - 8vw + w^2 = \text{-----}$$

$$27x^3 + (-36x^2) + 9y = \text{-----}$$

$$6a - 42 = \text{-----}$$

$$x^4 - 5x^2 + 3x^6 + (-15x^4) = \text{-----}$$

$$3a^2 + 9a + a^6 + 3a^5 = \text{-----}$$

2. Verbinde äquivalente Terme.

$$45y + 9y^2$$

$$5xy - 40x$$

$$8x(a^2 + 4y^3)$$

$$(4y + 9x^3)(4y - 9x^3)$$

$$34a^3 + 0b - 3b^2$$

$$5x(y - 8)$$

$$34a^3 - 3b^2$$

$$16y^2 - 9x^3$$

$$8a^2x + 32xy^3$$

$$9y(5 + y)$$