

Examen

$$1. y \cdot y \cdot z = zy^2$$

$$2. -4x^2y^2z^2 + 15x^2y^2z^2 - 6x^2y^2z^2 \\ = 5x^2y^2z^2$$

$$3. 9xz^3 + 7xz^3 - 5xz^3 \\ = 11xz^3$$

$$4. (m^2 + n^2)(m^2 - n^2) \\ = (m^2)^2 - (n^2)^2 \\ = m^4 - n^4$$

$$5. [(m+n)(m+n)] - [m^2 + 2mn + n^2] \\ = (m+n)^2 - m^2 - 2mn - n^2 \\ = m^2 + 2mn + n^2 - m^2 - 2mn - n^2 \\ = 0$$

$$6. 5 \cdot 10y \cdot 34 \cdot x = 340xy$$

$$7. A = \pi r^2$$

$$5x \cdot 5x = 25x^2 \\ = 25x^2 - \frac{25\pi}{4}x^2$$

10.

$$13^2 + 14^2 = x^2$$

$$= 169 + 196 = x^2$$

$$= \sqrt{365} = x$$

$$= x = 19.105$$