

1

$$\psi + \psi = 2 = 2\psi^2$$

2.

$$\begin{aligned}
 & -4x^2\psi^2\varepsilon^2 + 15x^2\psi^2z^2 \\
 & = 11x^2\psi^2\varepsilon^2 - 6x^2\psi^2z^2 \\
 & = 5x^2\psi^2\varepsilon^2
 \end{aligned}$$

3.

$$\begin{aligned}
 & 9xz^3 + 7xz^3 \\
 & = 16xz^3 - 5xz^3 \\
 & = 11xz^3
 \end{aligned}$$

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

$$\begin{aligned}
 & (m^2)^2 - (n^2)^2 \\
 & m^4 - (n^2)^2 \\
 & m^4 - n^4
 \end{aligned}$$

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

$$\begin{aligned}
 & m^2 + 2mn + n^2 - m^2 - 2mn - n^2 \\
 & 0 + 2mn + n^2 - 2mn - n^2 \\
 & 0 + 0 + n^2 - n^2 \\
 & 0 + 0 + 0
 \end{aligned}$$

0

$2\psi, 8 + 2\psi, \psi = 9\psi$
 $2, 8\psi = 9\psi$
 $2\psi, \psi = 10$
 $2\psi, \psi = 10, 0, 0, 0$
 $2\psi, 0 = m^2 + 10$
 $2x + 2\psi, 0 = 2\psi + 10$
 $m^2, 8, 14 = x$

8.

$$a^2 = 2,4^2 + 8,8^2$$

$$a^2 = 83,2$$

$$a = 9,12$$

Como $a = 9,12$

$$a + 1m = 10,12$$

$$11,2^2 = 10,12^2 + x^2$$

$$x = 4,8 \text{ cm}$$