

## Operaciones del examen

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

$$= 2y^2$$

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

$$= 11x^2y^2z^2 - 6x^2y^2z^2$$

$$= 5x^2y^2z^2$$

$$3. 9xz^3 + 7xz^3 = 5xz^3$$

$$= 16xz^3 - 5xz^3$$

$$= 11xz^3$$

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

$$\times (m^2 - n^2)$$

$$\hline -m^2n^2 - n^4$$

$$m^4m^2n^2$$

$$\hline m^4 \quad 0 \quad -n^4$$

$$5. (m+n)$$

$$\times (m+n)$$

$$\hline mn + n^2$$

$$m^2mn$$

$$\hline m^2mn + n^2$$

$$m^2 + 2mn + n^2$$

$$\hline m^2 + mn + n^2$$

$$\hline m^2 + 2mn + n^2$$

$$6. 10y \cdot 34 \cdot x$$

$$= 340xy$$

$$75 \cdot 5x = 25x^2 \quad = 25x^2 - \frac{25 \cdot 3.14}{2} x^2$$

$$3.1416 \left( \frac{5x}{2} \right)^2$$

$$= 3.1416 \frac{25x^2}{2}$$

8

$$= 2.4^2 - 8.8^2$$

$$5.76 - 77.44$$

$$\sqrt{71.64} = 8.46$$

$$8.46 - 11.2$$

$$71.5 - 125.44$$

$$= \sqrt{53.94} = 7.3$$

$$9. \quad 96^2 + 79^2$$

$$9,216 + 6,241$$

$$\sqrt{15,457} = \frac{124.32}{2.54} = 48.9$$

$$10. \quad 13^2 - 10^2$$

$$169 - 100$$

$$\sqrt{69} = 19.1$$