



Puzzle Time

What Type Of Player Gives Refunds?

Write the letter of each answer in the box containing the exercise number.

Factor the polynomial completely.

1. $x^3 + 125$
2. $1 - x^3$
3. $x^3 + 8$
4. $x^3 + x^2 - 6x$
5. $2x^4 - 162x^2$
6. $x^3 + 6x^2 + 3x + 18$
7. $x^3 - x^2 + 2x - 2$
8. $x^3 + 2x^2 - 4x - 8$
9. $9x^4 - 36$
10. $2x^4 + 4x^2$
11. $x^4 - 4x^2 - 5$

Answers

- K. $(x^2 - 5)(x^2 + 1)$
- A. $9(x^2 + 2)(x^2 - 2)$
- A. $(x + 2)(x^2 - 2x + 4)$
- R. $x(x - 2)(x + 3)$
- T. $2x^2(x - 9)(x + 9)$
- Q. $(x + 5)(x^2 - 5x + 25)$
- E. $(x^2 + 3)(x + 6)$
- R. $(x^2 + 2)(x - 1)$
- U. $(1 - x)(1 + x + x^2)$
- B. $(x + 2)^2(x - 2)$
- C. $2x^2(x^2 + 2)$

1	2	3	4	5	6	7	8	9	10	11