



Puzzle Time

What Do You Call An Ice Skater Who Chats On The Internet?

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

Solve the equation using factoring, square roots, or completing the square.

1. $(x + 8)^2 = 25$
2. $2x^2 - 12x + 6 = 0$
3. $x^2 - 8x + 15 = 0$
4. $x^2 - 45 = 0$
5. $3x^2 - x = 10$
6. $9x^2 + 79 = -18x$
7. $3x^2 = -4 + 8x$
8. $x^2 - 2x = 3$
9. $4x^2 + 8x + 80 = 0$
10. $-8 - 8x^2 = -31$
11. $2x^2 - 2 = 6$
12. $-4x^2 + 6x - 16 = -5x^2$

Answers

- K. $x = 3; x = -1$
- E. $x = 2; x = -2$
- N. $x = -\frac{5}{3}; x = 2$
- N. $x = 3 + \sqrt{6}; x = 3 - \sqrt{6}$
- L. $x = 3; x = 5$
- I. $x = \pm 3\sqrt{5}$
- E. $x = -1 \pm \frac{\sqrt{70}}{3}i$
- S. $x = 2; x = \frac{2}{3}$
- A. $x = -1 \pm i\sqrt{19}$
- T. $x = \frac{\pm\sqrt{46}}{4}$
- O. $x = -3; x = -13$
- R. $x = 2; x = -8$

1	2	3	4	5	6		7	8	9	10	11	12
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