

Chapter Test A

For use after Chapter 9

Find the x -intercepts of the graph of the equation.

17. $y = x^2 - 3x + 2$

18. $y = x^2 - 1$

Decide how many solutions the equation has.

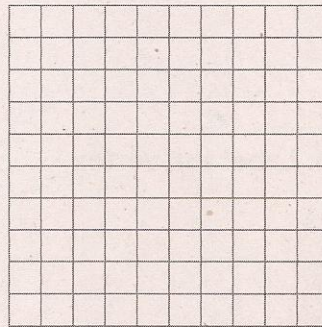
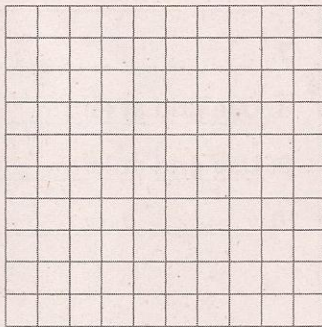
19. $x^2 - 2x + 1 = 0$

20. $x^2 + 3 = 0$

Sketch the graph of the inequality.

21. $y \geq x^2$

22. $y < x^2 - 3$



- 17. _____
- 18. _____
- 18. _____
- 19. _____
- 20. _____
- 21. _____
- 22. _____
- 23. _____
- 24. _____
- 25. _____
- 26. _____

23. The revenue from selling x units of a product is given by $y = -0.0002x^2 + 20x$. How many units must be sold in order to have the greatest revenue? (Find the x -coordinate of the vertex of the parabola.)

Name the type of model that best fits the data.

