

Non-Linear Practice: Equations and Graphs

NAME Key

Determine if the equation is linear, quadratic, exponential, absolute value or other.

1. $y = 4x^2 + 1$
Quad.

2. $y = 7x - 10$
Linear

3. $y = \frac{1}{x} + 4$
Other

4. $y = x^2 + 1$
Quad.

5. $y = |x - 10| + 2$
ABV

6. $y = 6x^2 - 4x$
Quad.

7. $y = 2^x + 2$
Exp.

8. $y = 5 - x^2$
Quad.

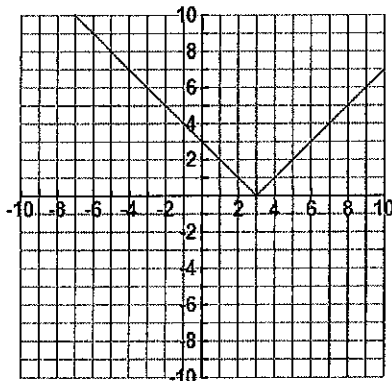
9. $y = \sqrt{x + 1}$
Other

10. $y = -x$
Linear

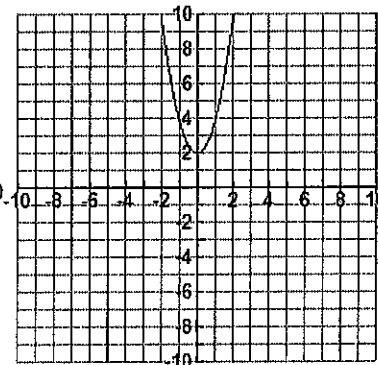
11. $y = x + 4x^3$
Other

12. $y = 5^x$
Exp.

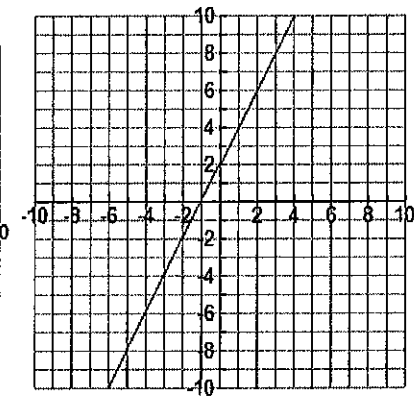
Determine if the graph is linear, quadratic, exponential, absolute value or other.



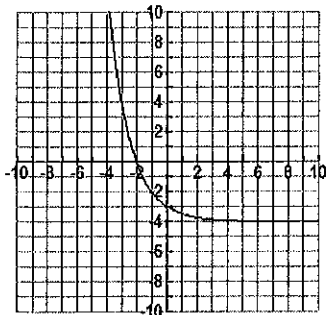
13. ABV



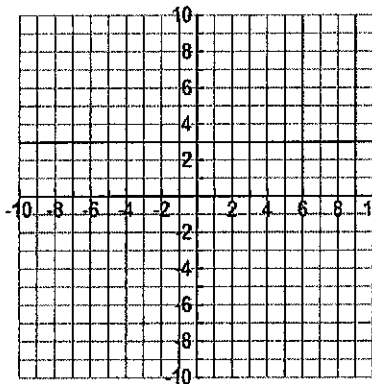
14. Quad.



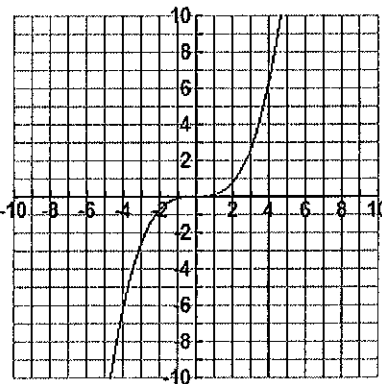
15. Linear



16. Exp.



17. Linear



18. Other