

Algebra 1

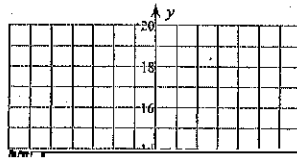
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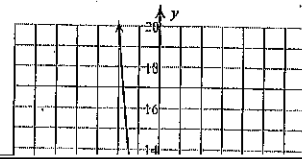
Sketch the graph of the function.

1) $y = \frac{1}{3} \cdot 6^x$



Write an equation for graph.

2)



Simplify. Your answer should contain only positive exponents.

7) $4x^3y^4 \cdot x^2$

8) $x^4 \cdot (2x^2y^0)^2$

9) $\frac{v^4 \cdot (2uv^3)^{-1}}{2u^2v^3}$

10) $\frac{2n^4 \cdot 2n^4}{(2n^{-3})^4}$

Use #11-12: You invest \$2500 in a savings account that earns interest of 2% compounded annually.

current balance in the account.

11) What will the value of your investment be at the end of 10 years? Write an equation to solve and define your variables

12) How many years will it take for your account to double?

Use for #13-16: There are 64 basketball teams entered into the March Madness bracket. In the