

STAAR ALGEBRA 1 EOC STUDY GUIDE
EXPRESSIONS

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EQUATIONS

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FUNCTIONS

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EXPONENTIAL

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LINEAR

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SYSTEMS

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QUADRATIC

EXPONENTIAL GROWTH ($a > 0$)

$f(x) = a(b)^x$
initial amount
growth factor

$$f(x) = 400 \cdot 1.07^x$$

INITIAL DEPOSIT ($a > 0, b > 0$)

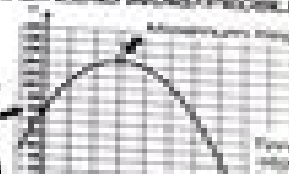


Decay Graph (Decreases from a to 0)

$$f(x) = 100 \cdot 0.95^x$$

QUADRATIC FORMULA
 $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

APPLY QUAD MOND PROBLEM



ALGEBRA

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STUDY GUIDE



Algebra Eoc Staar

**Sandra Luna McCune, Vi Cain
Alexander**



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