

Algebra 1

Graphing Linear, Quadratic and Exponential Equations Review

(Section 10.8 Supplement)

Graph the following equations. Include the appropriate information.

Linear

$$f(x) = mx + b$$

x-intercept

y-intercept

Quadratic

$$f(x) = ax^2 + bx + c$$

vertex

axis of symmetry

x-intercept(s)

y-intercept

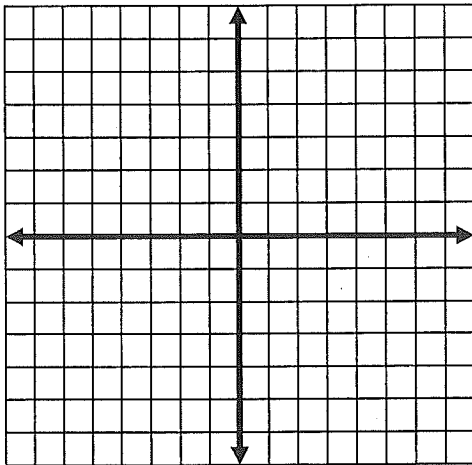
Exponential

$$f(x) = a(b)^x$$

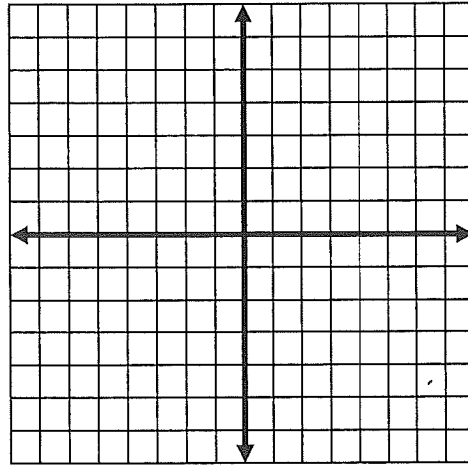
y-intercept

asymptote

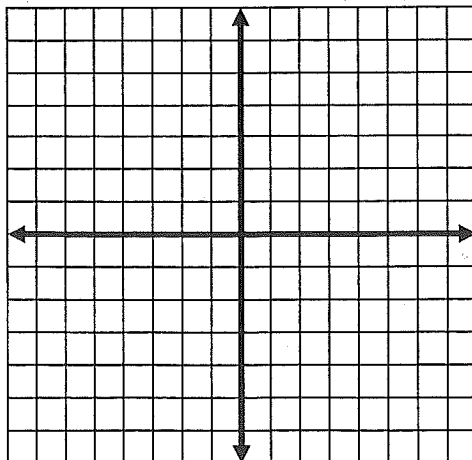
1. $h(x) = -3x + 5$



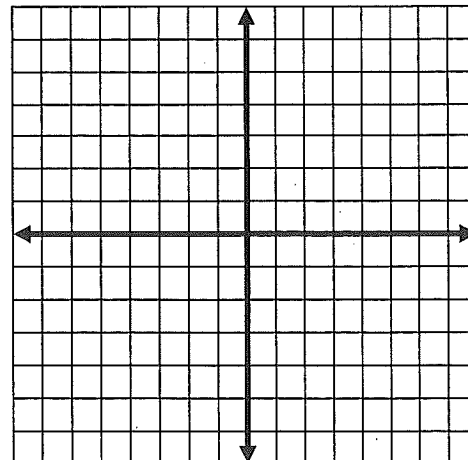
2. $g(x) = x^2 + x - 2$



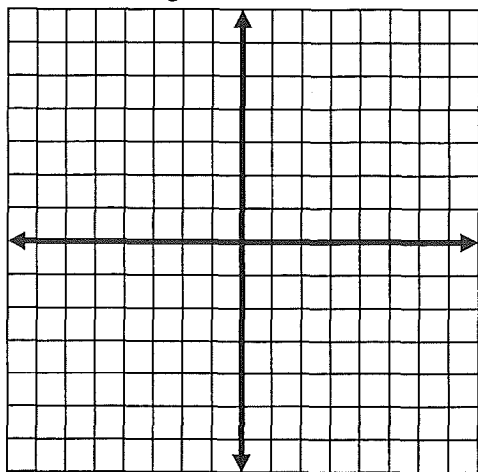
3. $f(x) = 2(2)^x$



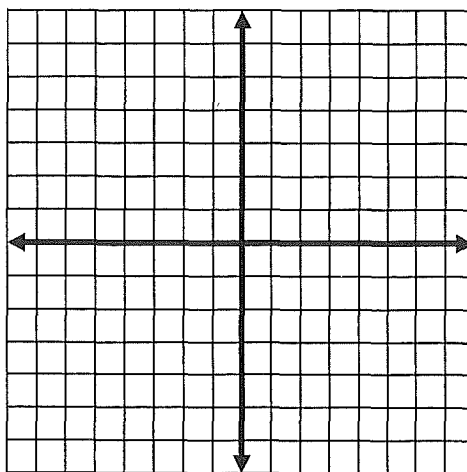
4. $h(x) = \left(\frac{1}{4}\right)^x$



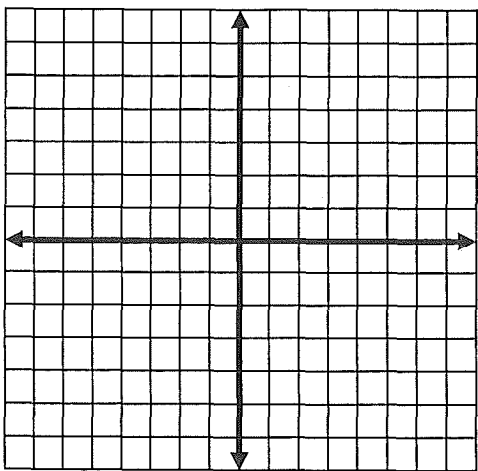
5. $f(x) = -\frac{4}{3}x + 2$



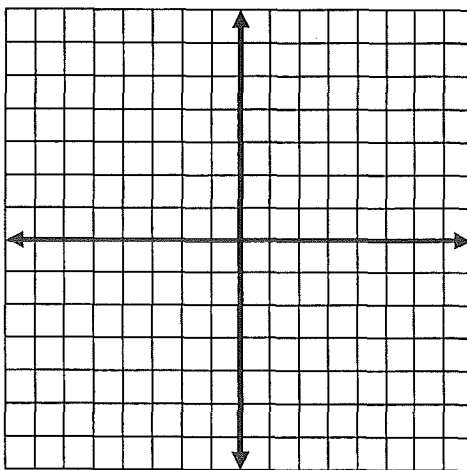
6. $g(x) = 2x^2 + 8x - 6$



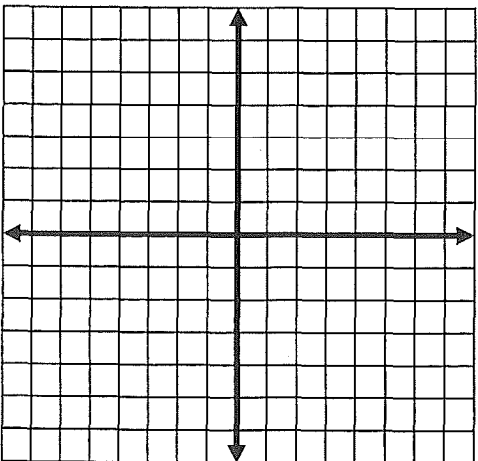
7. $f(x) = 3x$



8. $h(x) = 0.5(1.5)^x$



9. $h(x) = -3x^2 + 5$



10. $f(x) = -5$

