

Algebra 1

homework

Graphing Linear, Quadratic and Exponential Equations Review (Section 10.8 Supplement)

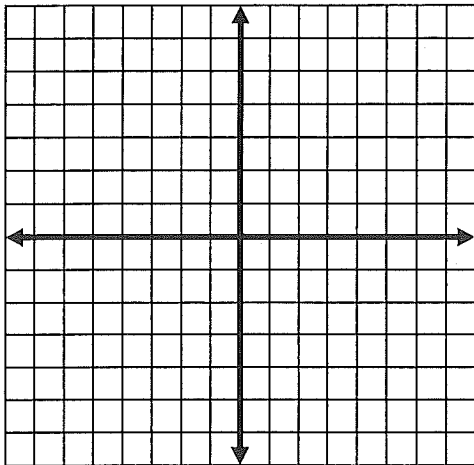
Graph the following equations. Include the appropriate information.

Linear
 $f(x) = mx + b$
x-intercept
y-intercept

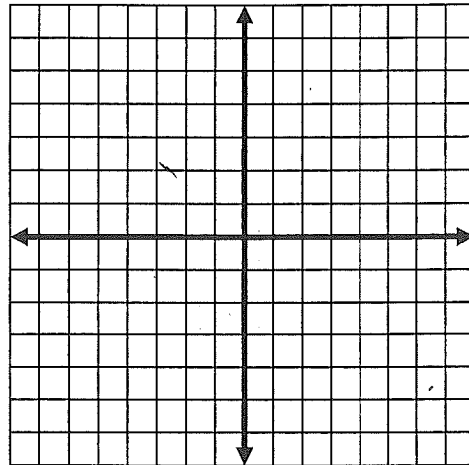
Quadratic
 $f(x) = ax^2 + bx + c$
vertex
axis of symmetry
x-intercept(s)
y-intercept

Exponential
 $f(x) = a(b)^x$
y-intercept
asymptote

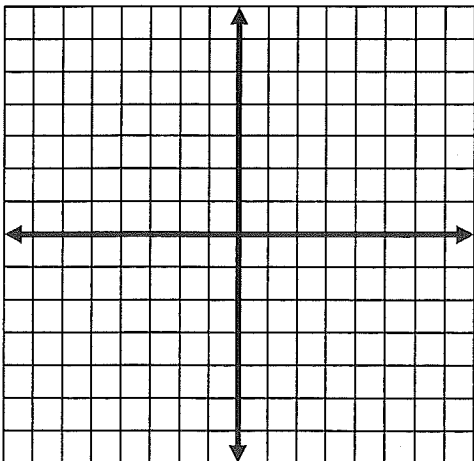
1. $f(x) = 2(3)^x$



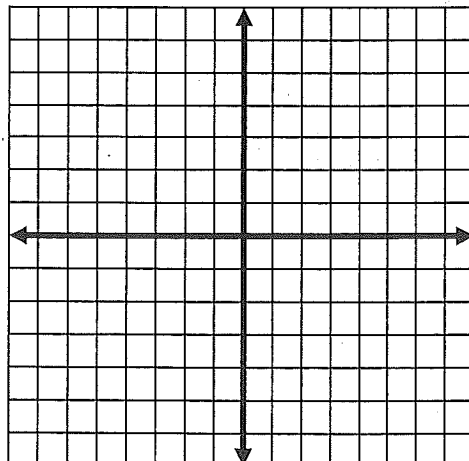
2. $h(x) = x^2 - 6x - 7$



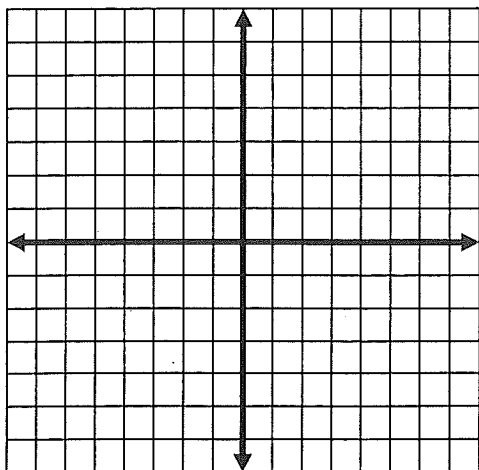
3. $f(x) = -3x^2 + 5$



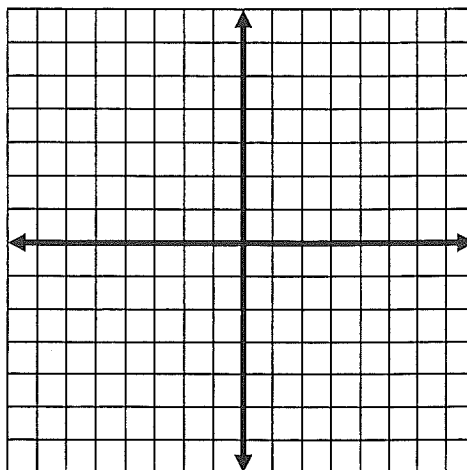
4. $g(x) = \frac{2}{3}x + 6$



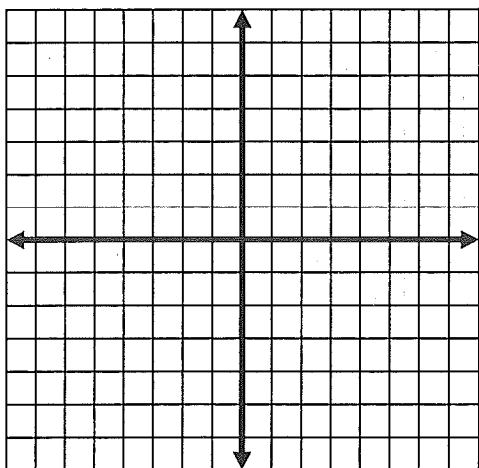
5. $h(x) = \left(\frac{1}{2}\right)^x$



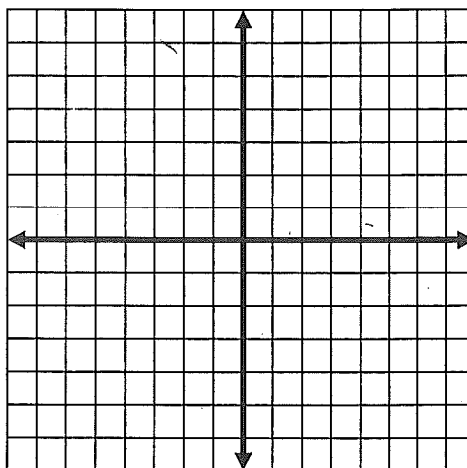
6. $f(x) = -4x - 2$



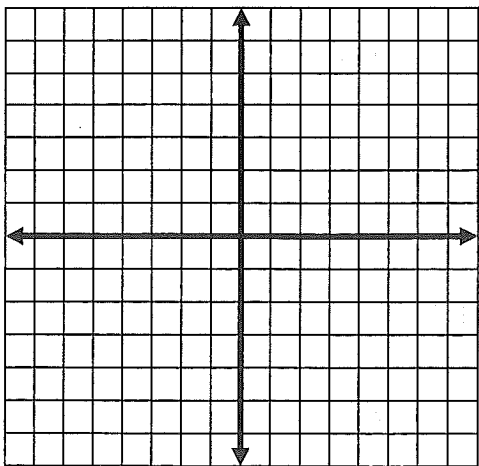
7. $g(x) = 2x^2 - 8x + 5$



8. $f(x) = -\frac{1}{2}x - \frac{5}{2}$



9. $g(x) = 2(0.7)^x$



10. $h(x) = x^2 + 8x + 9$

