

Write an equation of a line in slope intercept form that goes through the points  $(2, 5)$  and  $(6, -3)$ .

Write an equation of the parabola in vertex form that has its vertex at  $(1, 4)$  and passes through the point  $(0, 6)$ .

Write an equation of the exponential function that passes through the points  $(1, -8)$  and  $(3, -128)$

Write an equation of the exponential function that passes through the points  $(0, 3)$  and  $(2, 12)$

Write an equation of the exponential function that passes through the points  $(-1, 2)$  and  $(2, 54)$

Write an equation of the exponential function that passes through the points  $(2, 8)$  and  $(3, 32)$

Write an equation of the power function that passes through the points (4, 80) and (3, 45)

Write an equation of the power function that passes through the points (2, 48) and (4, 768)



Write an equation of the power function that passes through the points (2, 1) and (7, 6)

Write an equation of the power function that passes through the points  
(6, 8) and (12, 109)