1.

Suppose y varies inversely with x and x = 12 when y = 3. What is the equation of the inverse variation?

a.   yx=36
b.   y=123
c.   y=36
d.   12=3y

Suppose a varies directly as b and inversely as c. Find b when a = 5 and c = -4 if b = 12 when c = 3 and a = 8.

a.   22
b.   -12
c.   20
d.   -10

MR.KHALED   MATH GRADE 9