## nee ded review A. I and A. 2

Name: Date: \_

**MATH 208** Quiz 1

True or False

**1)** 
$$a(b+c) = (b+c)a$$

**4)** 
$$a\frac{5}{5} = a$$

**2)** 
$$3 + (x + y) = (3 + x) + y$$

**5)** 
$$xy + 5 - 2 - 3 = yx$$

**3)** 
$$(3+x)y = 3x + 3y$$



**6)** 
$$\frac{1}{3}(c+d)3k = 3c + 3d$$



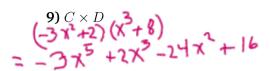
For problems 7 to 12, let A = 3x - 4, B = x + 2,  $C = 2 - 3x^2$ , and  $D = x^3 + 8$ .

7) 
$$A + B + C + D$$

3  $x - \frac{4}{12}$ 
 $x^{-3}x^{2} + \frac{4}{12}x + 8$ 

10) 
$$A^2$$
  
(3x-4) (3x-4)=  $9x^2-2(12)x+16$   
=  $9x^2-24x+16$ 

8) 
$$(B+C)-(A+C)$$
  
 $B-A$   
 $x+2-(3x-4)$   
 $=-2x+6$ 



C, and D?