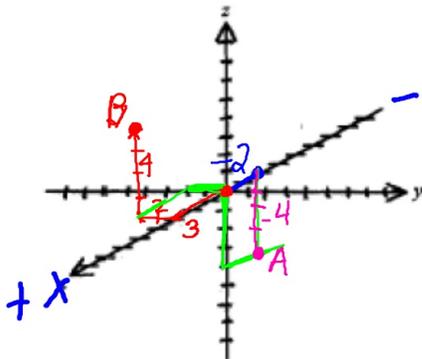


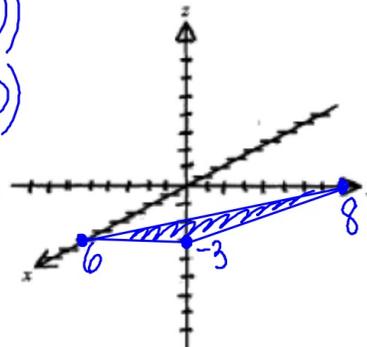
x y z

1. Graph the ordered triples  $A(-2, 0, -4)$  and  $B(3, -2, 4)$ .



2. Graph  $4x + 3y - 8z = 24$ .

$(6, 0, 0)$   
 $(0, 8, 0)$   
 $(0, 0, -3)$



3. Rodney's parents pay him a base allowance of \$15 per week and \$5 per hour for extra chores he completes. Mr. Spencer pays Rodney \$8 per hour to lifeguard at the city pool. Write an equation that models Rodney's total weekly income.

$I = 15 + 5C + 8L$       function  
 $I(C, L) = 15 + 5C + 8L$

4. a) Write  $10x - 3y + 12z = -60$  as a function of  $x$  and  $y$ .

$12z = -10x + 3y - 60$        $f(x, y) = -\frac{5}{6}x + \frac{1}{4}y - 5$   
 $z = -\frac{5}{6}x + \frac{1}{4}y - 5$        $z$

b) Evaluate  $f(-12, 8)$ .  $f(-12, 8) = -\frac{5}{6}(-12) + \frac{1}{4}(8) - 5 = 7$