2011 PreAP Forces 4



- B. So, which force will the resultant be closer to?
- C. Which components will add together: xs or ys?
- D. Which components will subtract from each other: x or y's?
- E. * Calculate the net force on the object, using what you learned about vectors last chapter (give magnitude and direction).

Since $\Sigma F = ma$, the acceleration will be in the direction of the net force.

- F. Calculate the acceleration of the object (*magnitude and direction, of course*).
- 4. Using the LONG METHOD ABOVE ($\Sigma F = ma$), calculate the normal force acting on each of the objects below. Also, notice that I gave you the weight of the object, not the mass.



5 kg

