Another Angle on F-m-a

Read from Lesson 3 of the Vectors and Motion in Two-Dimensions chapter at The Physics Classroom:

http://www.physicsclassroom.com/Class/vectors/u3l3a.html

MOP Connection: Forces in Two Dimensions: sublevels 1 and 3

Directions:

- 1. Draw and label the forces (direction and magnitude) acting upon the objects below in order that the objects experience the acceleration which is specified in each case.
- 2. At least two forces must be added to the object in each situation.
- 3. If forces are already present, #2 above still applies.

Acceleration

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1. $a = 3 \text{ m/s}^2$, Down

2. $a = 4 \text{ m/s}^2$, Left

→ 4 I	N
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Forces







7. constant velocity, Right & constant velocity, Up



Make your own problem and have your lab partner solve it. 8.