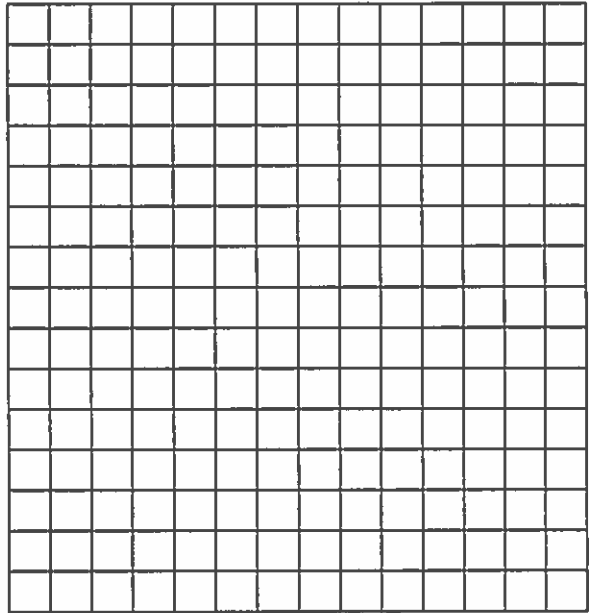
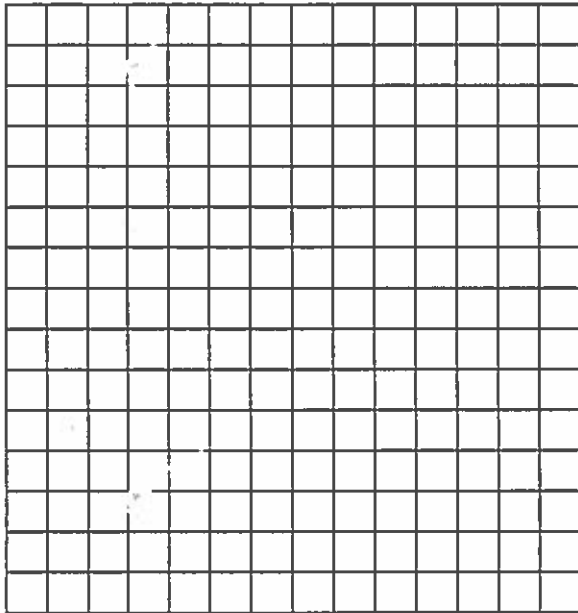


Name: _____

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- [4] 1. A) Draw a vector $\vec{b} = [5, -2]m$. Label your diagram.
B) Draw a vector $\vec{a} = [-4, 0]m/s^2$. Label your diagram.



- [3] 2. Find the magnitude and direction of $\vec{d} = [5.2, -6.1]km$. Include a labeled diagram in your sketch.

[3] 3. From each formula isolate for a. Show your work.

$$v_f^2 = v_i^2 + 2ad$$

$$v_f = v_i + at$$

$$d = v_i t + \frac{1}{2}at^2$$