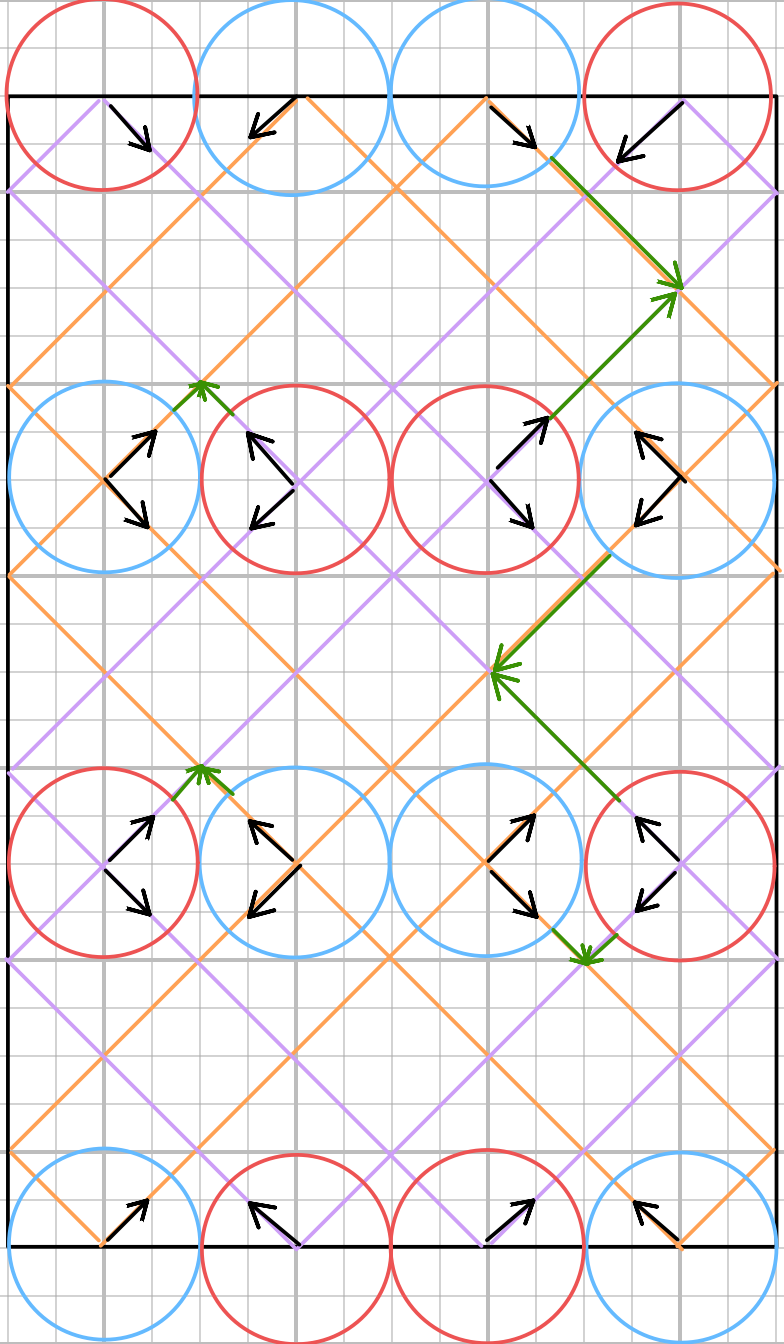

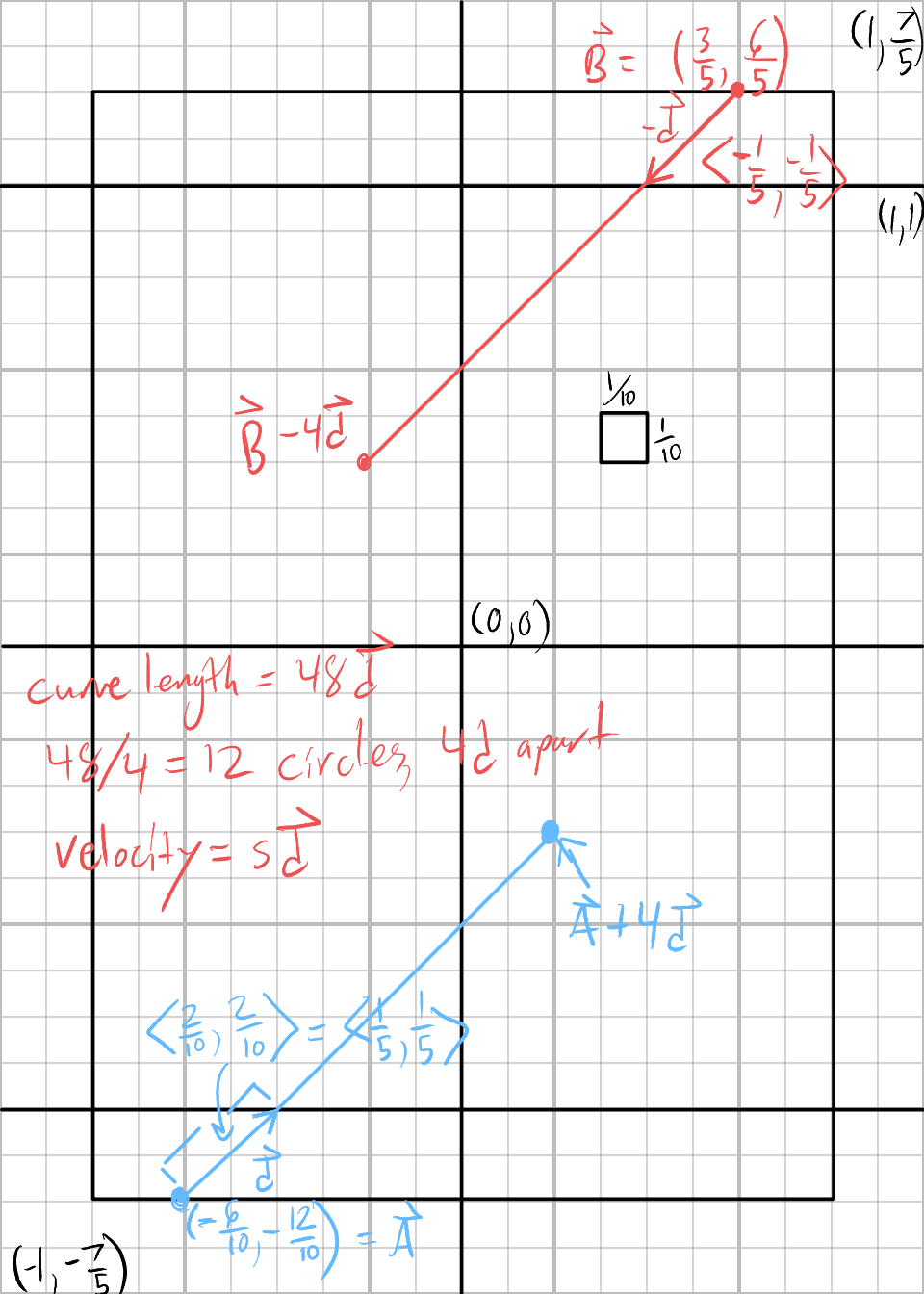
$\vec{B} = \left(\frac{3}{5}, \frac{6}{5}\right)$
$(1, \frac{7}{5})$
$-\vec{d}$
$\left\langle -\frac{1}{5}, -\frac{1}{5} \right\rangle$
$(1,1)$
$\vec{B} - 4\vec{d}$
$\frac{1}{10}$
$\frac{1}{10}$
$(0,0)$
curve length $= 48\vec{d}$
$48/4 = 12$ circles, $4\vec{d}$ apart
velocity $= s\vec{d}$
$\vec{A} + 4\vec{d}$
$\left\langle \frac{2}{10}, \frac{2}{10} \right\rangle = \left\langle \frac{1}{5}, \frac{1}{5} \right\rangle$
$\vec{d}$
$\left(-\frac{6}{10}, -\frac{12}{10}\right) = \vec{A}$
$(-1, -\frac{7}{5})$