

```

In[1]:= r01vec = a/2 {-1, -Tan[Pi/6], 0}
Out[1]= { -a/2, -a/(2 Sqrt[3]), 0}

In[2]:= r02vec = a/2 {1, -Tan[Pi/6], 0}
Out[2]= {a/2, -a/(2 Sqrt[3]), 0}

In[3]:= r03vec = FullSimplify [a{0, Sin[Pi/3]-1/2 Tan[Pi/6], 0}]
Out[3]= {0, a/Sqrt[3], 0}

In[4]:= r01vec.r01vec
Out[4]= a^2/3

In[5]:= r02vec.r02vec
Out[5]= a^2/3

In[6]:= r03vec.r03vec
Out[6]= a^2/3

In[7]:= Hvec = i/(2 Pi a^2/3) Cross[{0, 0, 1}, -r01vec-r02vec+r03vec]
Out[7]= {-Sqrt[3] i/(a \[Pi]), 0, 0}

In[8]:= Bvec = 4 Pi*10^-7 Hvec
Out[8]= {-Sqrt[3] i/(2500000 a), 0, 0}

In[9]:= Bvec /. {i \[Rule] 10, a \[Rule] 3/10}
Out[9]= {-1/(25000 Sqrt[3]), 0, 0}

In[10]:= N[%, 20]*10^5
Out[10]= {-2.3094010767585030580, 0, 0}

```