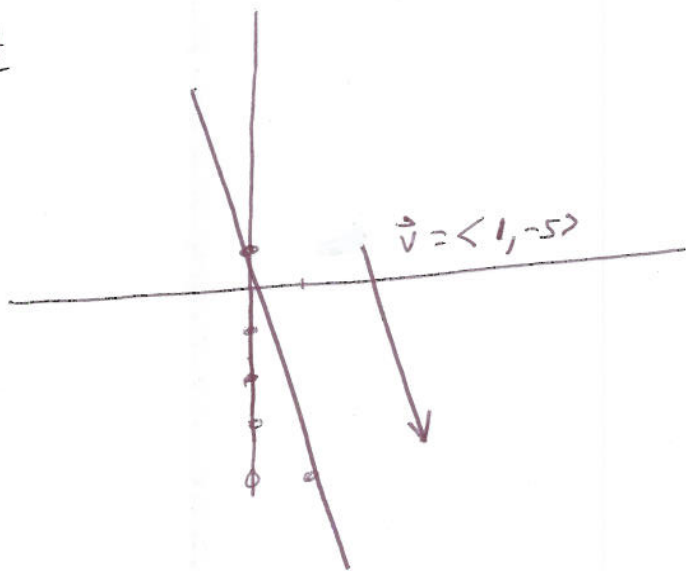


Quiz 1 Math 241 Spring 2008

Q Find 2 unit vectors that are perpendicular to the line  $y = -5x + 10$

A



is parallel to the line

So  $\vec{N} = \langle 5, 1 \rangle$  is perpendicular to the line

So  $\pm \frac{1}{\sqrt{26}} \langle 5, 1 \rangle$  are 2 unit vectors perpendicular to the line.