Practice worksheet | Vectors in two dimensions

Vector equality and opposite vectors

Name: _____ Date: _____

6 questions | 14 marks

1. Find the opposite of $(7, -3)$. [2 marks]

2. Are $(3, 4)$ and $(4, 3)$ equal vectors? Explain. [2 marks]

3. If $(a - 1, 2b) = (4, -6)$, find a and b. [2 marks]

4. Let $A = (-1, 3)$ and $B = (4, 1)$. Find both $\overrightarrow{AB}$ and $\overrightarrow{BA}$. [3 marks]

5. A vector equal to $(2, -5)$ starts at $(6, 1)$. Find its endpoint. [2 marks]

6. Solve $\mathbf{v} = -\mathbf{v}$ and explain the result. [3 marks]