Parallelism and collinearity

Name: _____ Date: _____

6 questions | 15 marks

1. Are $(2, 5)$ and $(6, 15)$ parallel? State a multiplier. [2 marks]

2. Are $(4, -2)$ and $(8, -5)$ parallel? Explain. [2 marks]

3. Find a if $(a, 6)$ is parallel to $(2, 3)$. [2 marks]

4. Show that A=(-1,2), B=(2,8), C=(4,12) are collinear. [3 marks]

5. A=(1,1), B=(5,3), C=(-1,0). Express AC as a multiple of AB and locate C. [3 marks]

6. Find t for which $(2+t, 1-2t)$ is parallel to $(3, -1)$. [3 marks]