Practice worksheet | Complex numbers

Real and imaginary parts

Name: _____ Date: _____

6 questions | 15 marks

1. State the real and imaginary parts of $-6+9i$. [2 marks]

2. State the real and imaginary parts of $4-3i+2i$. [2 marks]

3. Classify -8, $6i$ and $2+i$ as real, pure imaginary, or neither. [3 marks]

4. For real x, y, solve $x + (y - 2)i = 3 + 5i$. [2 marks]

5. For real x, y, solve $(4 - 2i) + (x + yi) = 7 + 3i$. [3 marks]

6. If $z = 3 - 4i$, find the real and imaginary parts of iz. [3 marks]