Problem 1 *Simplify the following complex expression into standard form.*

$$\frac{4-5i}{-2-4i} = \boxed{\frac{3}{5}} + \boxed{\frac{13}{10}} \cdot i$$

Feedback(*`attempt`*): *Remember to multiply the top and bottom of the fraction by the conjugate of the bottom; i.e.* $-2+4i$ *and foil out. This should get you a real denominator.*

Also notice that the "i" is already provided, so you don't need to type into your answer.

Problem 2 *Simplify the following complex expression into standard form.*

$$\frac{4+3i}{-3-3i} = \boxed{-\frac{7}{6}} + \boxed{\frac{1}{6}} \cdot i$$

Feedback(*`attempt`*): *Remember to multiply the top and bottom of the fraction by the conjugate of the bottom; i.e.* $-3+3i$ *and foil out. This should get you a real denominator.*

Also notice that the "i" is already provided, so you don't need to type into your answer.

Problem 3 *Simplify the following complex expression into standard form.*

$$\frac{-5}{1+2i} = \boxed{-1} + \boxed{2} \cdot i$$

Feedback(*`attempt`*): *Remember to multiply the top and bottom of the fraction by the conjugate of the bottom; i.e.* $1-2i$ *and foil out. This should get you a real denominator.*

Also notice that the "i" is already provided, so you don't need to type into your answer.

Problem 4 *Simplify the following complex expression into standard form.*

$$\frac{-3-i}{5-3i} = \boxed{-\frac{6}{17}} + \boxed{-\frac{7}{17}} \cdot i$$

Feedback(*`attempt`*): *Remember to multiply the top and bottom of the fraction by the conjugate of the bottom; i.e.* $5 + 3i$ *and foil out. This should get you a real denominator.*

Also notice that the "i" is already provided, so you don't need to type into your answer.