

 $\frac{10 + 5i - 4i - 2i^{2} - (25 + 465 - 16i - 4i)w}{-5 - 4i} = \frac{(25 - 20i - 20i - 16i^{2})w}{-5 - 4i} = -4 + 3i$   $\frac{12 + i^{2} - (25 - 4i)w}{-5 - 4i} = \frac{(-9 - 46i)w}{-5 - 4i} = -4 + 3i$   $\frac{12 + i^{2} - (25 - 6i)w - (-9 - 46i)w}{-5 - 4i} = -4 + 3i$   $\frac{(12 + i^{2})w(-25 + 4i)^{2} + (-9 - 46i)w}{-5 - 4i} = -4 + 3i$   $\frac{(12 + i)(-16 + 44i)w}{-5 - 4i} = -4 + 3i$   $\frac{(12 + i)(-16 + 44i)w}{-5 - 4i} = -4 + 3i$