Complex Numbers

Conjugate

1. $\dfrac{2i}{1+i}$

2. $\dfrac{5i}{2+i}$

3. $\dfrac{5i}{-2-6i}$

4. $\dfrac{9}{4-2i}$

5. $\dfrac{\sqrt{2}+i}{2+i}$

6. $\dfrac{2i}{1-i}-\left(-3+2i\right)$

7. $\dfrac{2i}{1-i}$

8. $\dfrac{1-i}{\sqrt{3}+i}$

9. $\dfrac{2}{-1+i}+\dfrac{5}{2+i}$

10. $\dfrac{5i}{2-i}$

Answers

Complex Numbers

Conjugate

1. $1 + i$

2. $1 + 2i$

3. $-\dfrac{3}{4} - \dfrac{1}{4}i$

4. $\dfrac{9}{5} + \dfrac{9}{10}i$

5. $\dfrac{2\sqrt{2} + 1}{5} + \dfrac{-\sqrt{2} + 2}{5}i$

6. $2 - i$

7. $-1 + i$

8. $\dfrac{\sqrt{3} - 1}{4} + \dfrac{-1 - \sqrt{3}}{4}i$

9. $1 - 2i$

10. $-1 + 2i$