

Write as a fraction. Rationalize the denominator by multiplying the numerator and denominator by the denominator's complex conjugate.

$$\frac{10}{1+i} = \frac{10}{1+i} \cdot \frac{1-i}{1-i} = \frac{10-10i}{1-i^2} = \frac{10-10i}{1-(-1)}$$

$$= \frac{10-10i}{2} = \frac{10}{2} - \frac{10}{2}i = 5 - 5i$$