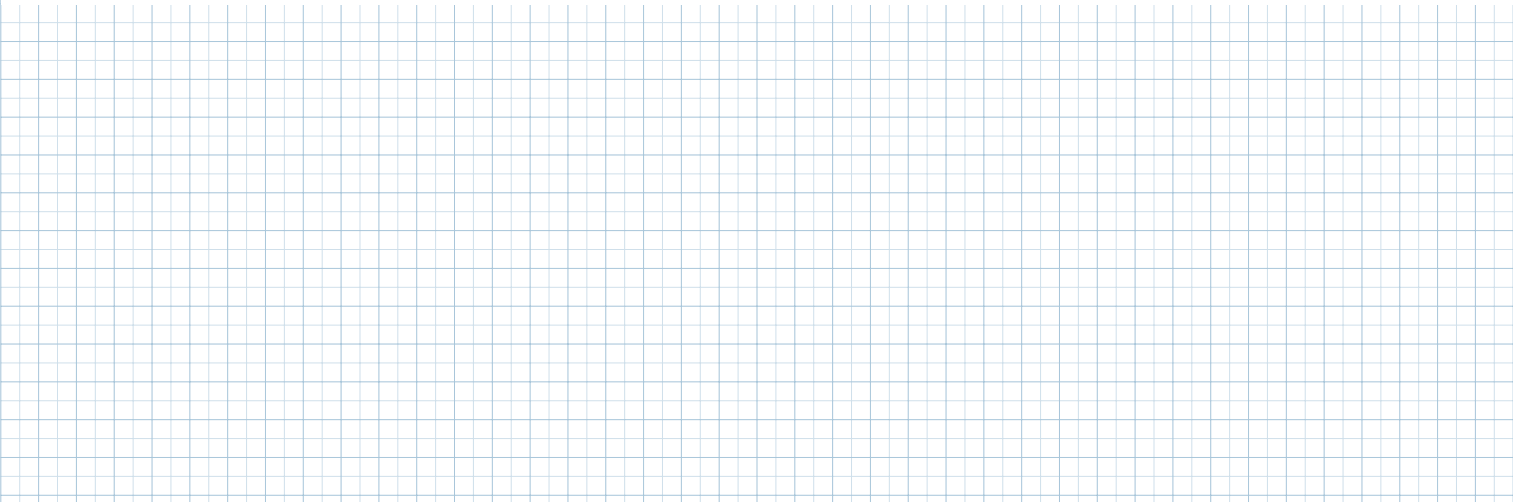
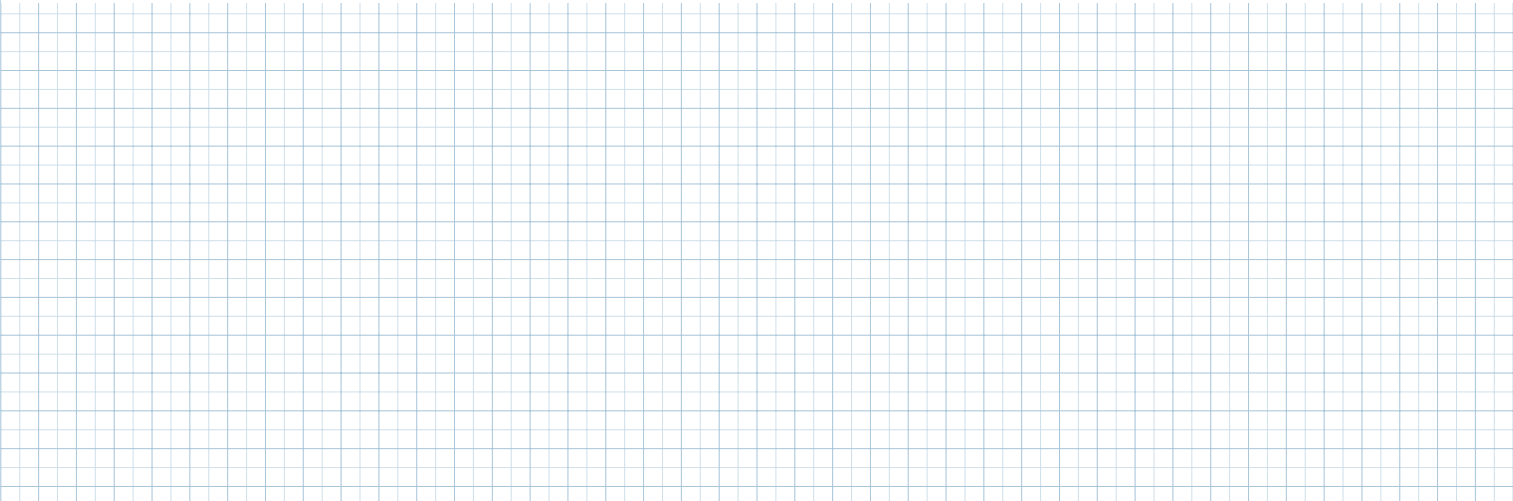


1. Graph the point $p = (3: \frac{5\pi}{4})$ on a polar grid. Convert p to rectangular coordinates.



2. Convert $(-5, 5)$ into polar coordinates.



3. Convert the polar equation $r - 9 = 0$ into rectangular coordinates.



4. Convert the polar equation $r \sin(\theta) + 5r \cos(\theta) = 2$ into rectangular coordinates.

5. Convert the rectangular equation $x^2 + (y - 1)^2 = 4$ into a polar equation.