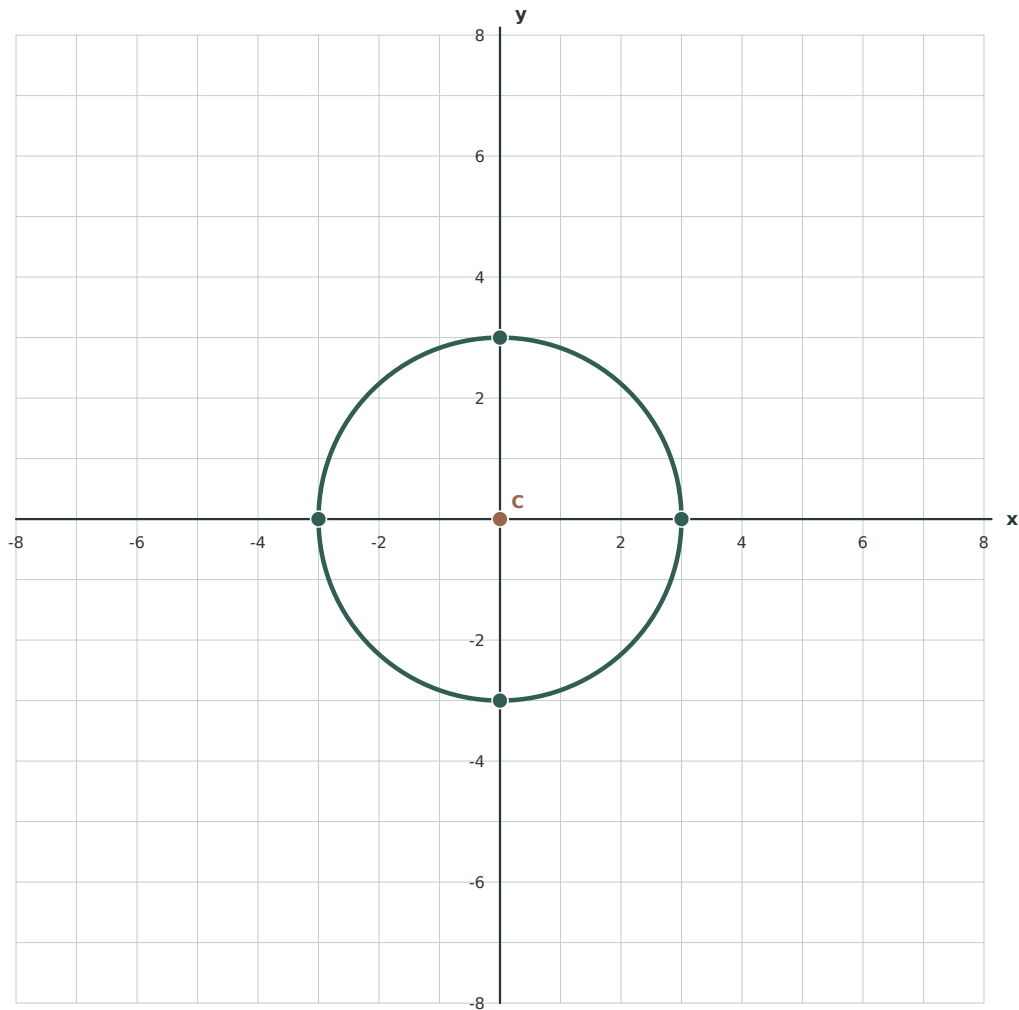


Origin circle

Plot the center, mark the radius in four cardinal directions and draw a smooth circle. The equation uses coordinate units, not the printed diameter.

Center $C=(0,0)$; radius $r=3$.

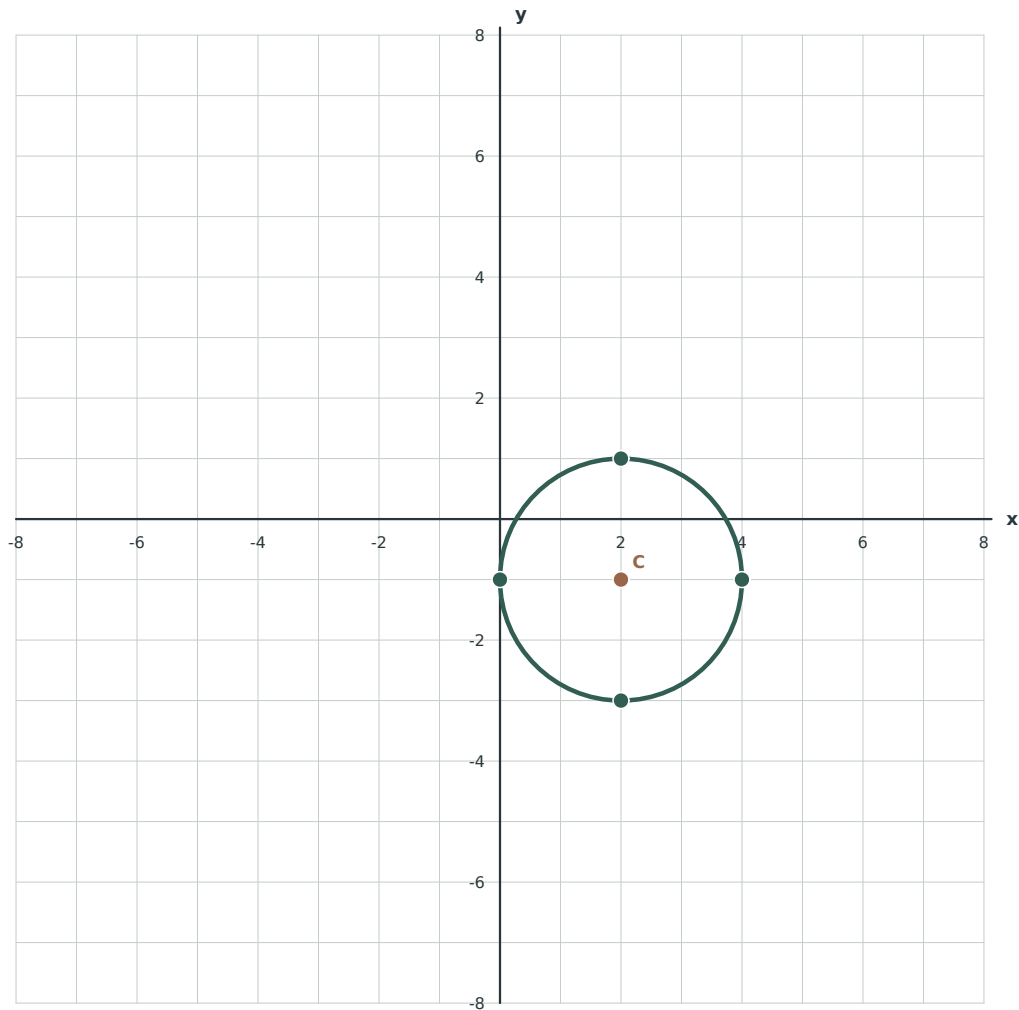


1. State center and radius. Compare the completed plot.
2. Mark four cardinal points. Compare the completed plot.
3. Write standard-form equation. Compare the completed plot.

Right-shifted circle

Plot the center, mark the radius in four cardinal directions and draw a smooth circle. The equation uses coordinate units, not the printed diameter.

Center $C=(2,-1)$; radius $r=2$.

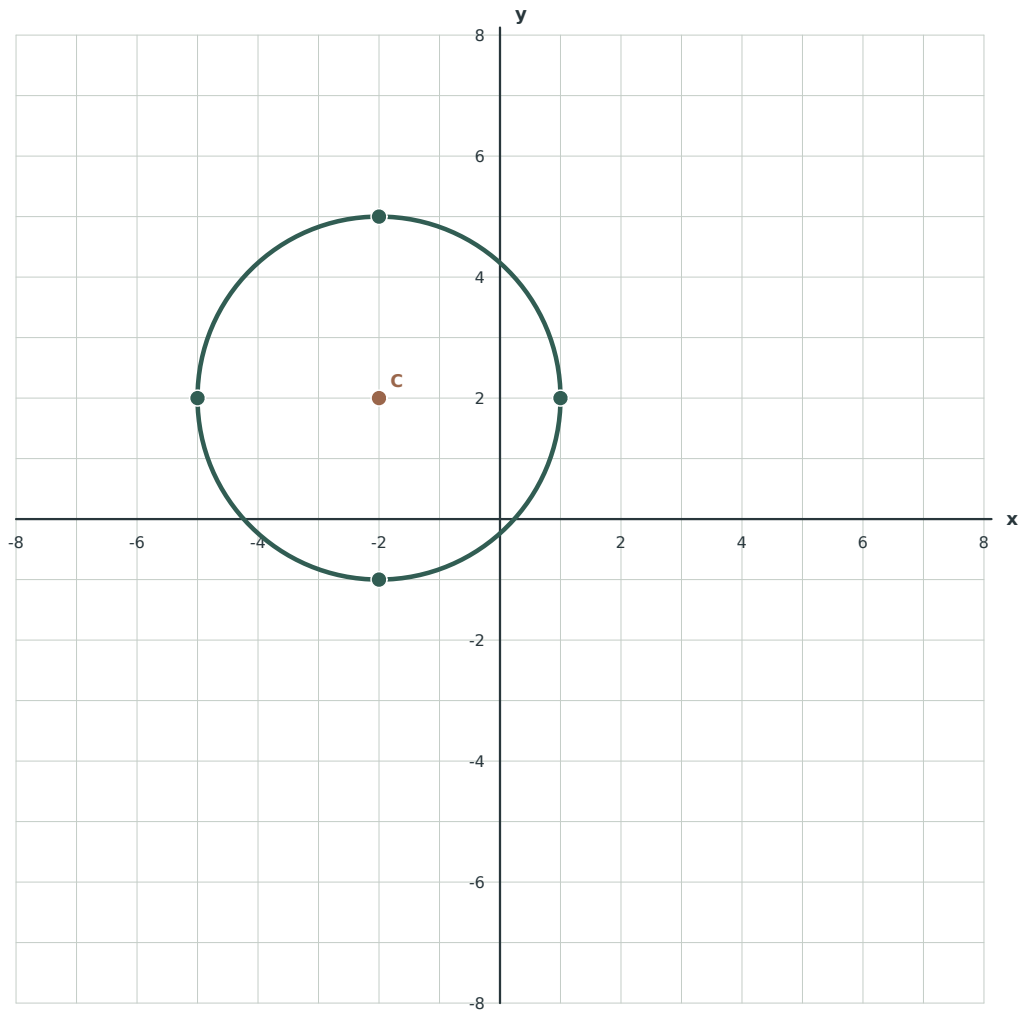


1. State center and radius. Compare the completed plot.
2. Mark four cardinal points. Compare the completed plot.
3. Write standard-form equation. Compare the completed plot.

Upper-left circle

Plot the center, mark the radius in four cardinal directions and draw a smooth circle. The equation uses coordinate units, not the printed diameter.

Center $C=(-2,2)$; radius $r=3$.

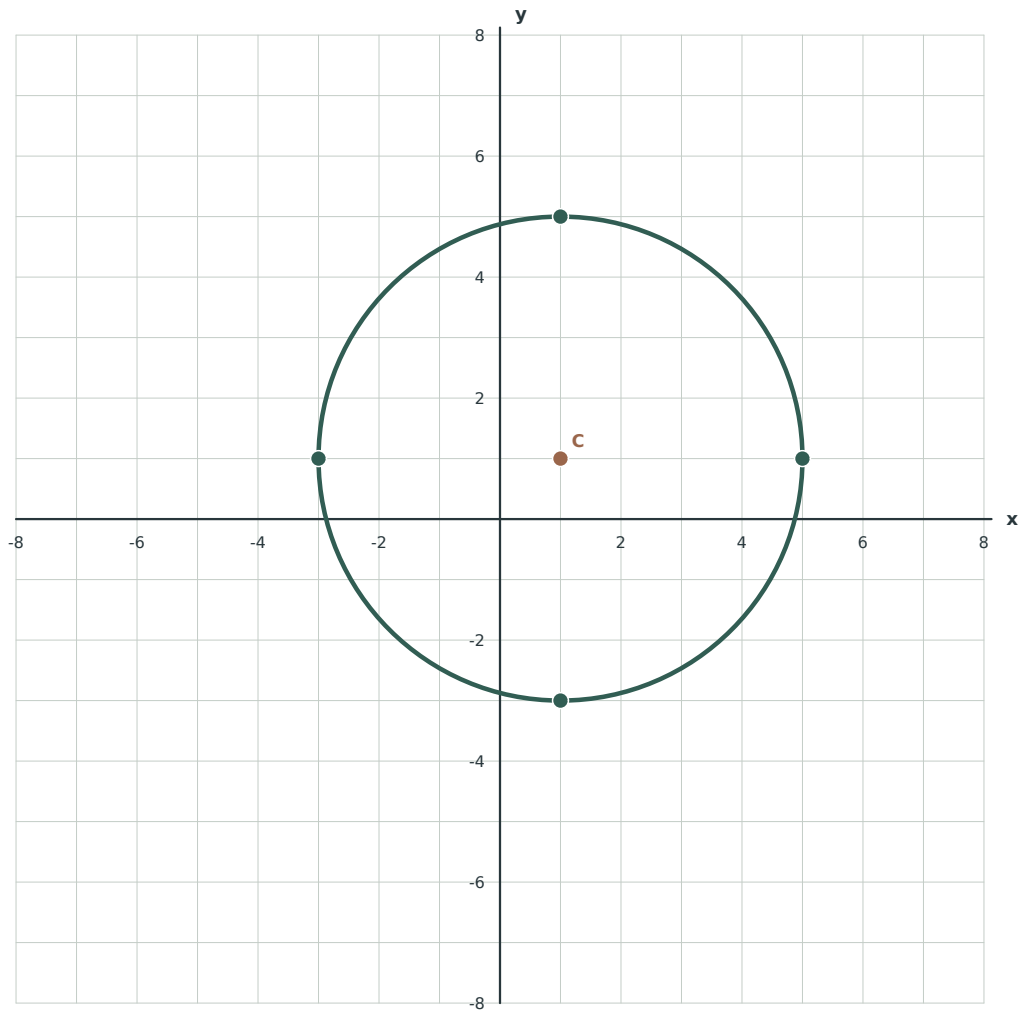


1. State center and radius. Compare the completed plot.
2. Mark four cardinal points. Compare the completed plot.
3. Write standard-form equation. Compare the completed plot.

A larger circle

Plot the center, mark the radius in four cardinal directions and draw a smooth circle. The equation uses coordinate units, not the printed diameter.

Center $C=(1,1)$; radius $r=4$.



1. State center and radius. Compare the completed plot.
2. Mark four cardinal points. Compare the completed plot.
3. Write standard-form equation. Compare the completed plot.