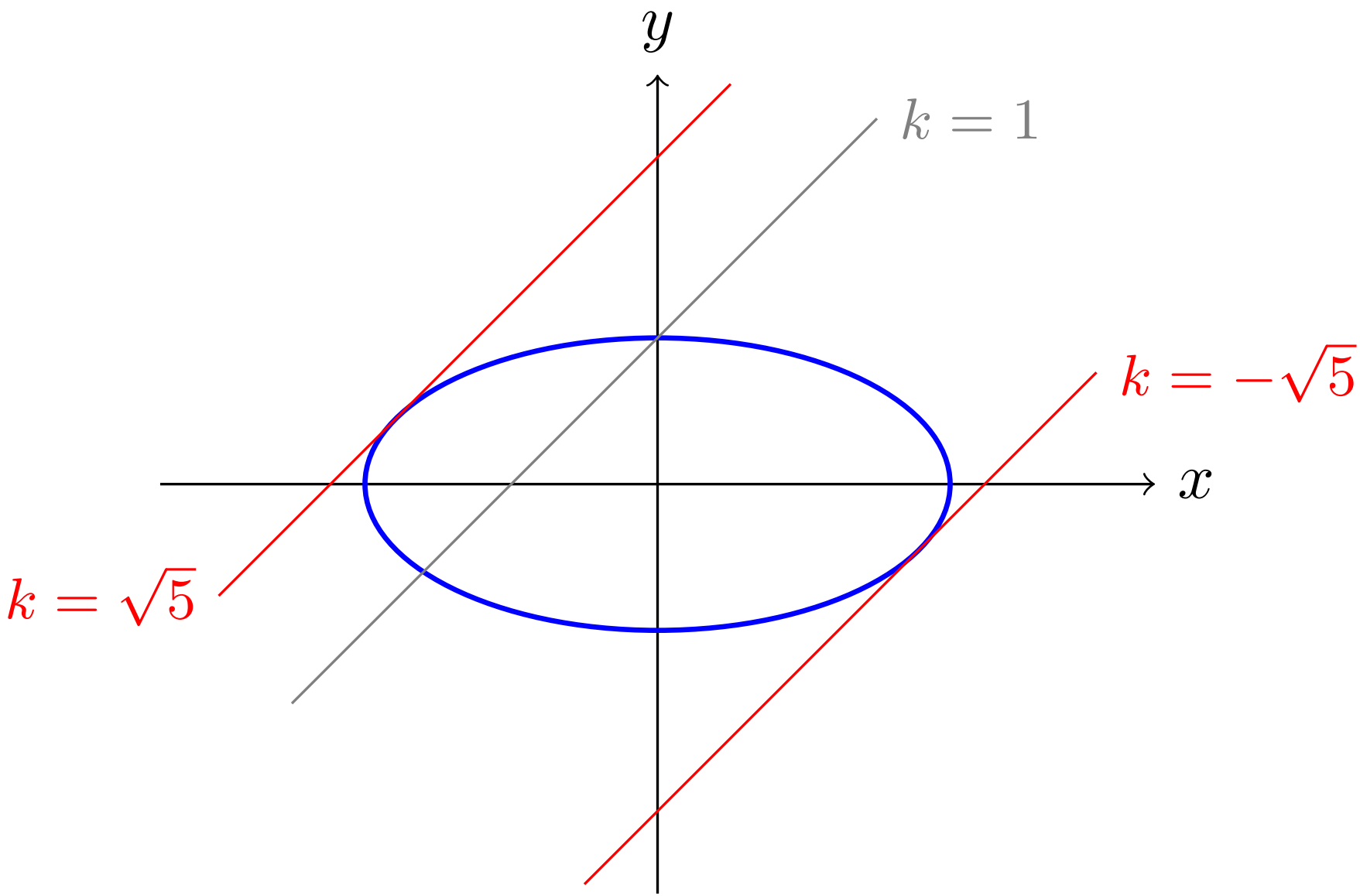

y
$k = 1$
$k = -\sqrt{5}$
x
$k = \sqrt{5}$