$X_t = 10t^2$
$Y_t = 20t$
for $t \in [0, 6]$

and

$X_t = 500 + 500 \cdot cos(t)$
$Y_t = 90 \cdot sin(t)$
for $t \in [\pi, \frac{3\pi}{2}]$

$X_t = 10t \cdot cos(t)$
$Y_t = 20t \cdot sin(t)$
for $t \in [0, 31]$

$X_t = 500$