

SM3H 9.3 odd answers

1. $x = \frac{3}{2}t + 2, y = 3t + 3$ for $0 \leq t \leq 2$

3. $x = 2\cos t, y = 2\sin t \quad \pi \leq t \leq \frac{3\pi}{2}$

5. $x = 3\cos t + 5, y = 3\sin t + 2, 0 \leq t \leq 2\pi$

7. $x = \sin(2\theta), y = 2\sin^2 \theta, 0 \leq \theta \leq 2\pi$

9a. $x = 150\sqrt{3}t, y = -16t^2 + 150t + 5$

9b. $t \approx 9.4$ seconds

11. $x^2 + y^2 = 8x$

13. $(-2, -2\sqrt{3})$

15. $(10, 210^\circ)$

17. $(3x - 5)(9x^2 + 15x + 25)$

