

SM3—9.1 answers

1. zero, y

3. positive, $\frac{1}{x}$

5. zero, x

7. positive, $\frac{1}{x}$

9. undefined, $\frac{y}{x}$

11. negative, $\frac{1}{y}$

13. zero, $\frac{y}{x}$

15. negative, $\frac{x}{y}$

17. 180°

19. 240°

21. 315°

23. $\frac{3\pi}{2}$

25. $\frac{5\pi}{4}$

27. $\frac{5\pi}{3}$

29. $\frac{1}{\sqrt{3}}$ or $\frac{\sqrt{3}}{3}$

31. -1

33. 0

35. undefined

37. $\sqrt{3}$

39. -1