

Answers to Review #2: 30-43

30. -15

31. *reflected over the x - axis,
vertically stretched by a factor of 3
horizontally translated 6 units right*

32. 30/157

33. a) $a_n = -1 - 8(n-1)$

b) $a_n = a_{n-1} - 8; a_1 = -1$

34. 7600

35. 27

36. 1,005,150

37. a) $a_n = -1(-5)^{n-1}$

b) $a_n = -5 \cdot a_{n-1}; a_1 = -1$

38. 921

39. $a_n = -10 \left(-\frac{3}{2} \right)^{n-1}$

40. $2a^2 + a - 1$

41. *Look up on your own*

42. $\frac{-8y^{15}}{27x^{21}}$

43. 9