

$$35. f^{-1}(x) = \pm \sqrt{\frac{2x+8}{3}}$$

$$36. f^{-1}(x) = \pm 2\sqrt{\frac{x}{3}}$$

$$37. f^{-1}(x) = \frac{x^2-6x+10}{2}$$

$$38. f^{-1}(x) = \pm\sqrt{x} - 1$$

$$39. f^{-1}(x) = \frac{1\pm\sqrt{x}}{2}$$

$$40. f^{-1}(x) = -1 \pm \sqrt{x+1}$$

$$41. f^{-1}(x) = \sqrt[3]{x}$$

$$42. f^{-1}(x) = \pm\sqrt[4]{x}$$

$$43. f^{-1}(x) = \pm\sqrt{\frac{5x-5}{2}}$$

$$47. f^{-1}(x) = x^2$$

$$49. f^{-1}(x) = 3 - x^2$$

$$51. f^{-1}(x) = \pm\sqrt{2x}$$

$$53. f^{-1}(x) = \pm\frac{1}{\sqrt{x}}$$

$$55. f^{-1}(x) = \pm\sqrt{\frac{1}{x}} - 1$$

$$57. f^{-1}(x) = \left(\frac{3}{x}\right)^2$$