

Properties**Inverse****Quadratic Function Inverse**

1. *inverse* $2x^2 - 5$

2. *inverse* $3x^2 + 4$

3. *inverse* $20x^2$

4. *inverse* $x^2 - 5$

5. *inverse* $2x^2 - 2$

6. *inverse* $3x^2$

7. *inverse* $3x^2 - x - 2$

8. *inverse* $x^2 + 1$

9. *inverse* $x^2 - 4$

10. *inverse* $4x^2$

Answers

Properties

Inverse

Quadratic Function Inverse

$$1. \sqrt{\frac{x+5}{2}}, -\sqrt{\frac{x+5}{2}}$$

$$2. \sqrt{\frac{x-4}{3}}, -\sqrt{\frac{x-4}{3}}$$

$$3. \frac{\sqrt{5}\sqrt{x}}{10}, -\frac{\sqrt{5}\sqrt{x}}{10}$$

$$4. \sqrt{x+5}, -\sqrt{x+5}$$

$$5. \sqrt{\frac{x+2}{2}}, -\sqrt{\frac{x+2}{2}}$$

$$6. \sqrt{\frac{x}{3}}, -\sqrt{\frac{x}{3}}$$

$$7. \frac{1 + \sqrt{12x+25}}{6}, \frac{1 - \sqrt{12x+25}}{6}$$

$$8. \sqrt{x-1}, -\sqrt{x-1}$$

$$9. \sqrt{x+4}, -\sqrt{x+4}$$

$$10. \frac{\sqrt{x}}{2}, -\frac{\sqrt{x}}{2}$$