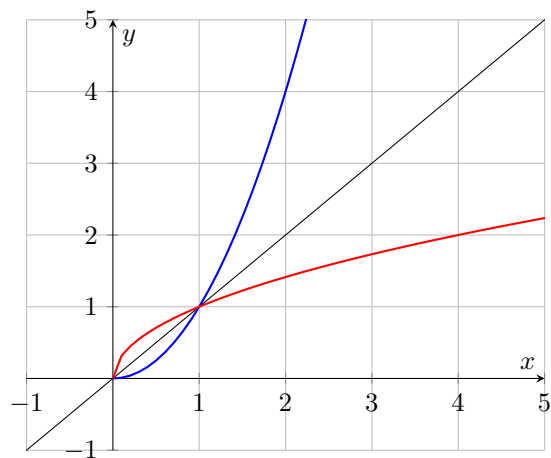


18.

$$y = x^2; x \in [0; \infty)$$

$$x = \sqrt{y};$$



$$Y = [0, \infty); X = [0, \infty);$$

19.

$$y = x^2 - 2x - 3; x \in [1; \infty)$$

$$x^2 - 2x - 3 - y = 0$$

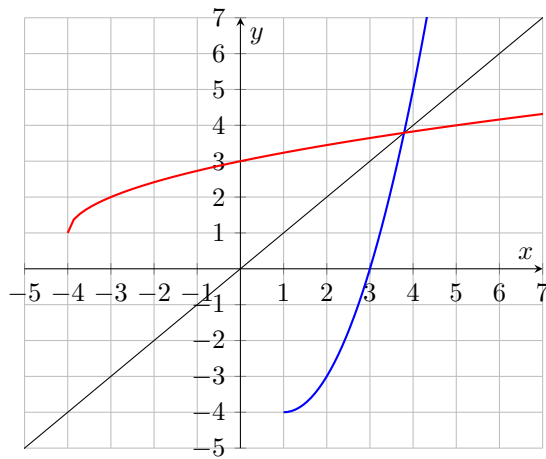
$$x^2 - 2x - (3 + y) = 0$$

$$x = \frac{2 + \sqrt{4 + 4(3 + y)}}{2}$$

$$x = \frac{2 + \sqrt{4(4 + y)}}{2}$$

$$x = \frac{2 + 2\sqrt{4 + y}}{2}$$

$$x = 1 + \sqrt{4 + y}; y \in (-4; \infty]$$



$$Y = [-4, \infty); X = [1, \infty)$$

20.

$$y = x^2 - 3x - 4; x \in (-\infty; 1, 5]$$

$$x^2 - 3x - 4 - y = 0$$

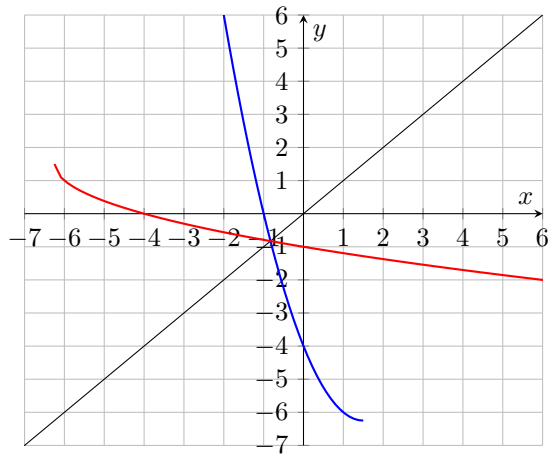
$$x^2 - 3x - (4 + y) = 0$$

$$x = \frac{3 - \sqrt{9 + 4(4 + y)}}{2}$$

$$x = \frac{3 - \sqrt{25 + 4y}}{2}$$

$$x = 1, 5 - \sqrt{\frac{25 + 4y}{4}}$$

$$x = 1, 5 - \sqrt{6, 25 + y}; y \in [-6, 25; \infty)$$



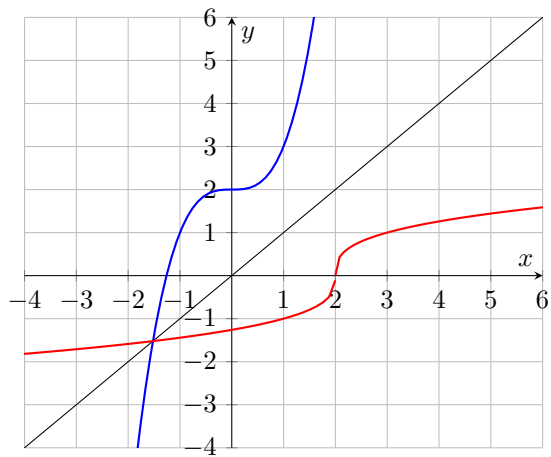
$$Y = [-6, 25; \infty); X = (-\infty; 1, 5]$$

21.

$$y = x^3 + 2$$

$$x^3 = y - 2$$

$$x = \sqrt[3]{y - 2};$$



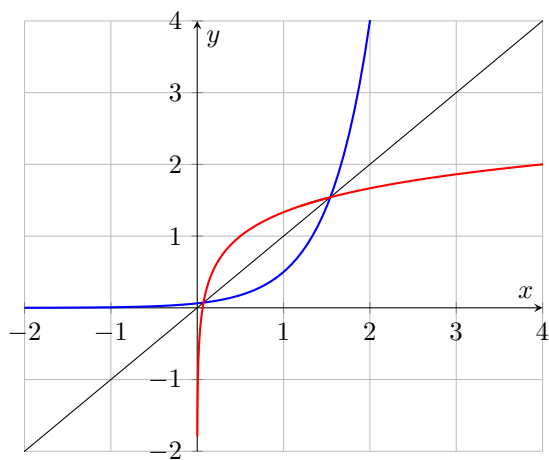
$$Y = (-\infty, \infty); X = (-\infty, \infty);$$

22.

$$y = 2^{3x-4}$$

$$3x - 4 = \log_2 y$$

$$x = \frac{\log_2 y + 4}{3}; y \in (0; \infty)$$



$$Y = (0; \infty); X = (-\infty; \infty)$$

23.

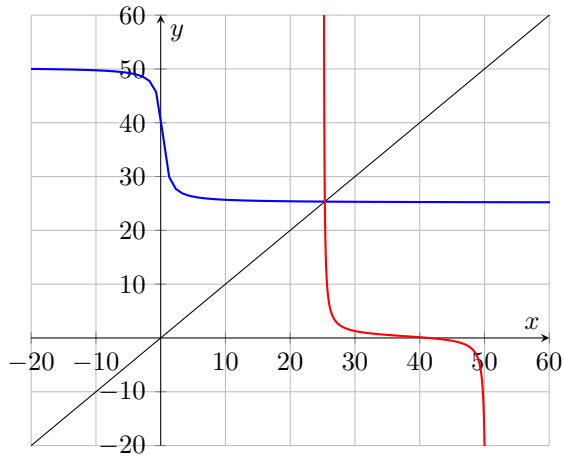
$$y = 8\pi + 8 \operatorname{arccot} \cot \frac{3x-1}{2}; (y \in (8\pi; 16\pi))$$

$$\operatorname{arccot} \cot \frac{3x-1}{2} = \frac{y}{8} - \pi$$

$$\frac{3x-1}{2} = \cot(\frac{y}{8} - \pi)$$

$$3x = 2 \cot(\frac{y}{8} - \pi) + 1$$

$$x = \frac{1}{3} + \frac{2}{3} \cot \frac{y}{8}; y \in (0; 8\pi)$$



$$Y = (8\pi; 16\pi); X = (-\infty, \infty)$$

24.

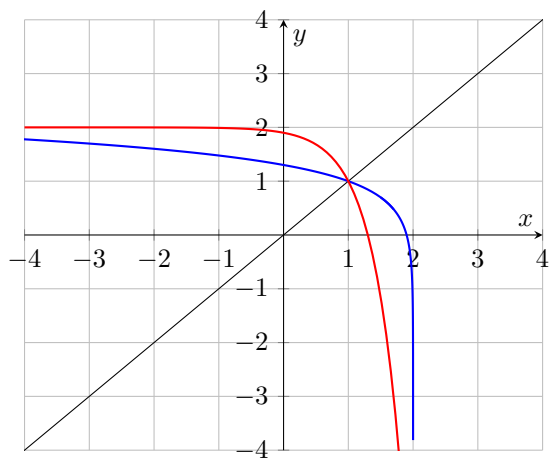
$$y = 1 + \log|x - 2|; x \in (-\infty; 2)$$

$$y = 1 + \log(2 - x)$$

$$\log(2 - x) = y - 1$$

$$2 - x = 10^{y-1}$$

$$x = 2 - 10^{y-1}$$



$$Y = (-\infty; \infty); X = (-\infty; 2)$$

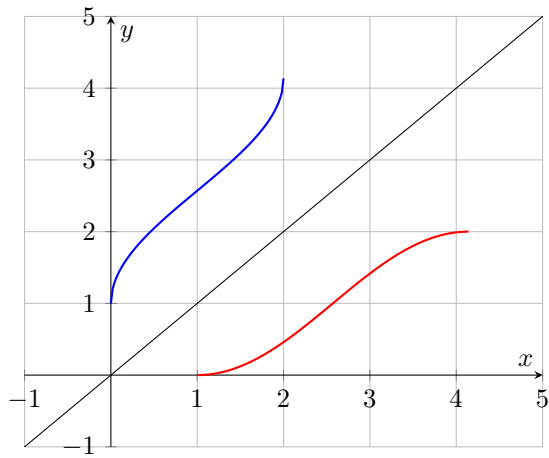
25.

$$y = 1 + \arccos(1 - x); (x \in [0, 2])$$

$$\arccos(1 - x) = y - 1$$

$$1 - x = \cos(y - 1)$$

$$x = 1 - \cos(y - 1); y \in [1; \pi + 1]$$



$$Y = [1; 1 + \pi]; X = [0, 2];$$



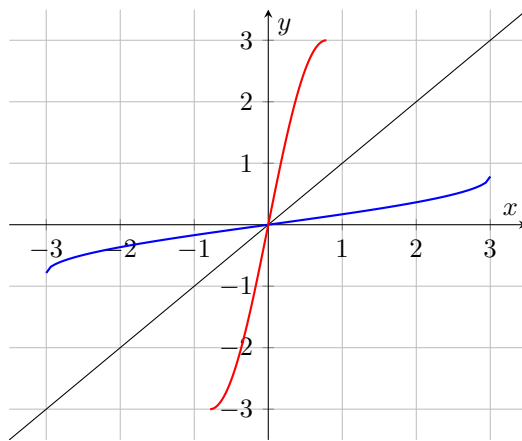
26.

$$y = \frac{1}{2} \arcsin \frac{x}{3}; (x \in [-3; 3])$$

$$\arcsin \frac{x}{3} = 2y;$$

$$\frac{x}{3} = \sin 2y;$$

$$x = 3 \sin 2y;$$



$$Y = [-\frac{\pi}{4}; \frac{\pi}{4}]; X = [-3; 3]$$