

$$\text{① (1) } 5 - (-4) = 5 + 4 \\ = 9 //$$

$$\text{(2) } \frac{2a+5}{8} \times 8 = (2a+5) \times 2 \\ = 4a + 10 //$$

$$\text{(3) } \sqrt{32} - \sqrt{2} = 4\sqrt{2} - \sqrt{2} \\ = 3\sqrt{2} //$$

$$\text{(4) } x^2 - 14x + 49 = (x-7)(x-7) \\ = (x-7)^2 //$$

$$\text{(5) } x^2 + 3x - 1 = 0$$

解の公式より

$$x = \frac{-3 \pm \sqrt{3^2 - 4 \times 1 \times (-1)}}{2 \times 1} \\ = \frac{-3 \pm \sqrt{9 + 4}}{2} \\ = \frac{-3 \pm \sqrt{13}}{2} //$$

② 反比例より

$$y = \frac{a}{x} \quad \text{①}$$

$$x = -3, y = -5 \text{ 代入}$$

$$-5 = \frac{a}{-3}$$

$$a = 15.$$

$$\text{② } y = \frac{15}{x} //$$