

$$b = 3 \left(\frac{5 - \sqrt{7}}{1 + \sqrt{7}} \right)^{-1}$$

$$a = 3\sqrt{20} - \sqrt{54} + 2\sqrt{24} - \sqrt{125} :$$

$$b \quad a$$

$$b = 2 + \sqrt{7}$$

$$a = \sqrt{5} + \sqrt{6} :$$

$$b^2 \quad a^2$$

$$\frac{\pi}{b} \quad \frac{3}{a}$$

$$b \quad a$$

$$\frac{a+b}{ab}, \frac{4}{a+b} :$$

$$E = \left(x + \frac{1}{2} \right)^2$$

$$E$$

$$x = \sqrt{2} - 1.5$$

$$E \geq 1$$

$$x \leq -\frac{3}{2}$$

$$E$$

$$F = (x + 0,5)^2 - 1$$

$$:$$

$$F$$

$$F = x^2 + x - \frac{3}{4}$$

$$x = \frac{\sqrt{5}}{2}$$

$$x = \sqrt{2} - \frac{1}{2}$$

$$F$$

$$4x^2 + 4x - 3 = 0 \quad :$$

$$x$$

$$F$$

$$x > \frac{1}{2}$$

$$F$$

$$a \leq b$$

$$b \quad a$$

$$2\sqrt{3}a + 4b \quad 2\sqrt{3}b + 4a$$

$$4a - 5b$$

$$a - b$$

$$4 \quad 2\sqrt{3}$$

$$-7a + 6b$$

$$\frac{a}{b} + \frac{b}{a} \geq 2$$

$$|a+1| - |-a-b-1| + |b-a| = (-a)$$

$$x \in \mathbb{R} \quad E = x^2 - 6x + 8$$

$$x \in [3, \sqrt{2}] \quad E$$

$$E = x^2 - 1$$

$$E = 0 \quad x$$

$$E \geq F \quad F = -3x^2 - 10x + 7 \quad F$$

- (1) O $AB=7$ $BD=5$ $ABCD$
- (2) $BDFC$ $F=S_1(B)$ $E=S_D(C)$ $F E$ $[CD]$ I
- (3) $[AF]$ D
- (4) $(AC) \perp (CF)$
- (5) $AEFC$
- (6) $F G$ (EF) (BD) G $(O;D;A)$
- (7) AEF $H(-2; -1)$