

1.

$$x \in \emptyset \qquad x \in (-1;4)$$

$$x = -1 \qquad x \in (-1;4)$$

$$x \in \emptyset \qquad x \in (-3;3)$$

2.

$$x=7 \qquad x=\{-3, 3, 6\}$$

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

3.

a) $3\frac{2}{15}$

b) $\cos \alpha = \frac{\sqrt{5}}{5}$ *jest to niewymierna liczba*

c) $\cos \alpha = \frac{12}{13}$

d) $\cos \alpha \sin \alpha = \frac{1}{2}$

e) 0