Vyselvele pribéh funkce

$$f(x) = \sqrt{x^2 - 10x + 16} - 4$$

$$f(x) = \sqrt{x^2 - 10x + 16} = 0$$

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$$f(x)$$

lim 1x2-10x+16'-4=-4

4) blobmod/ 2-decorrosel

$$\sqrt{x^2-10x+16^7-4} \le 0$$
 $\sqrt{x^2-10x+16^7-4} \le 4$ 
 $\sqrt{x^2-10x+16^7-4} \le 16$ 
 $\sqrt{x^2-10x+16^7-4} \le 0$ 
 $\sqrt{x^2-10x+16^7-4} \le 0$ 

Vx2-10x+16 + (x+4)

$$=\lim_{x\to+\infty}\frac{x^{2}-10x+16}{\sqrt{x^{2}-10x+16}} - (x^{2}+8x+16) = \lim_{x\to+\infty}\frac{-18x}{x(\sqrt{1-10}+\frac{16}{x}+1+\frac{1}{x})}$$

$$=\frac{-18}{\sqrt{7+1}} = -9 = 6$$

$$fme' o + oo illower asymptote  $y = x - 9$ 

$$\lim_{x\to-\infty}\frac{f(x)}{x} = \lim_{x\to-\infty}\sqrt{x^{2}-10x+16} - 4 = \lim_{x\to-\infty}\frac{f(x)}{x^{2}} - \frac{1}{\sqrt{x^{2}-10x+16}} - \frac{1}{\sqrt{x^{2}-$$$$

lim 
$$\sqrt{x^2-10x+16^2} + x - 4 = \lim_{x \to -\infty} (x^2-10x+16^2 + x) - 4 = \frac{10}{x^2-10x+16^2 + x} - \frac{10}{x^2-10x+16^2 + x}$$

