(a) $$f'(x) = \lim_{h\to 0} \frac{f(x+h) - f(x)}{h}$$

$$= \lim_{h\to 0} \frac{\sqrt{3(x+h) - 5} - \sqrt{3x-5}}{h}$$

$$= \lim_{h\to 0} \frac{\sqrt{3x+3h-5} - \sqrt{3x-5}}{h} \frac{(\sqrt{3x+3h-5} + \sqrt{3x-5})}{(\sqrt{3x+3h-5} + \sqrt{3x-5})}$$

$$= \lim_{h\to 0} \frac{3x+3h-5 - (3x-5)}{h(\sqrt{3x+3h-5} + \sqrt{3x-5})}$$

$$= \lim_{h\to 0} \frac{3h}{h(\sqrt{3x+3h-5} + \sqrt{3x-5})}$$

$$= \lim_{h\to 0} \frac{3}{\sqrt{3x+3h-5} + \sqrt{3x-5}}$$

$$= \frac{3}{\sqrt{3x-5} + \sqrt{3x-5}}$$

$$= \boxed{\frac{3}{2\sqrt{3x-5}}}$$

(b) $$m = f'(2)$$

$$= \frac{3}{2\sqrt{3\cdot 2 - 5}}$$

$$= \frac{3}{2}$$

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

$$\boxed{y = \frac{3}{2}(x-2) + 1}$$