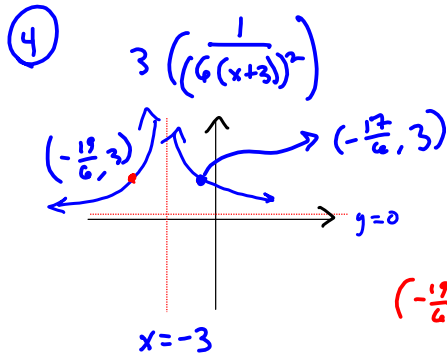
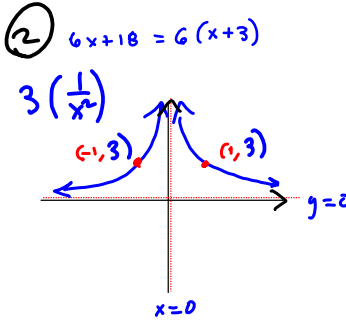
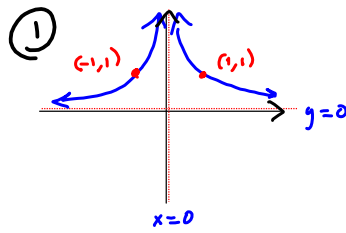


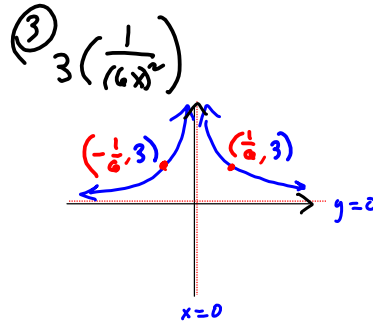
$$f(x) = \frac{1}{x^2}$$



$$\frac{1}{6} - 3 = \frac{1}{6} - \frac{18}{6} = -\frac{17}{6}$$

$$g(x) = 3\left(\frac{1}{6x+18}\right)^2 - 5 = 3\left(\frac{1}{6(x+3)}\right)^2 - 5$$

- ①  $\frac{1}{x^2}$  (1, 1) H. Shift
- ②  $3\left(\frac{1}{x^2}\right)$  (1, 3) V. stretch
- ③  $3\left(\frac{1}{(6x)^2}\right)$  (1/6, 3) H. stretch
- ④  $3\left(\frac{1}{(6(x+3))^2}\right)$  (-17/6, 3) H. stretch
- ⑤  $3\left(\frac{1}{(6(x+3))^2}\right) - 5$  (-17/6, -2) V. shift



$$\frac{1}{6} - 3 = \frac{1}{6} - \frac{18}{6} = -\frac{17}{6}$$

