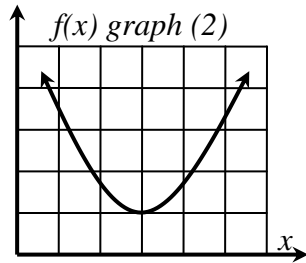
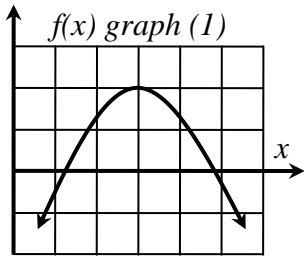


**Class Drill 9: Match the Graph of  $f$  to the Sign Chart for  $f'$**

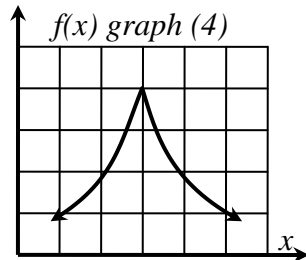
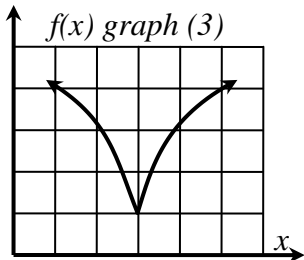


(a)  $f'(x)$   $\xrightarrow{\text{-----} 0 \text{+++++}}$   
 $x = 3$

Sign chart (a) matches graph \_\_\_\_\_.

(b)  $f'(x)$   $\xrightarrow{\text{-----} \text{ND} \text{+++++}}$   
 $x = 3$

Sign chart (b) matches graph \_\_\_\_\_.

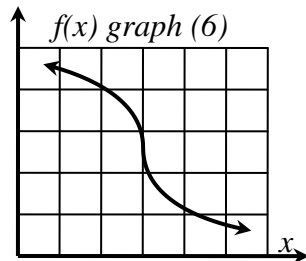
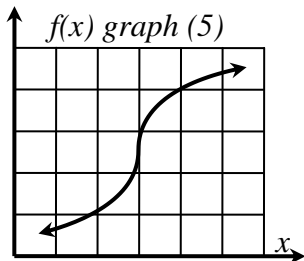


(c)  $f'(x)$   $\xrightarrow{\text{+++++} 0 \text{+++++}}$   
 $x = 3$

Sign chart (c) matches graph \_\_\_\_\_.

(d)  $f'(x)$   $\xrightarrow{\text{+++++} \text{ND} \text{+++++}}$   
 $x = 3$

Sign chart (d) matches graph \_\_\_\_\_.

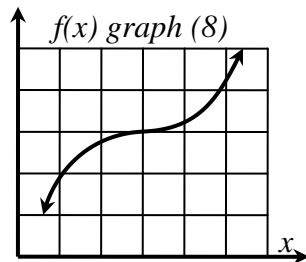
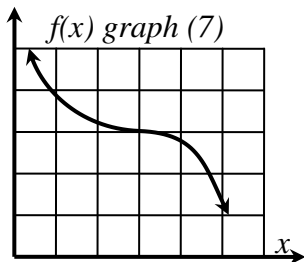


(e)  $f'(x)$   $\xrightarrow{\text{+++++} 0 \text{-----}}$   
 $x = 3$

Sign chart (e) matches graph \_\_\_\_\_.

(f)  $f'(x)$   $\xrightarrow{\text{+++++} \text{ND} \text{-----}}$   
 $x = 3$

Sign chart (f) matches graph \_\_\_\_\_.



(g)  $f'(x)$   $\xrightarrow{\text{-----} 0 \text{-----}}$   
 $x = 3$

Sign chart (g) matches graph \_\_\_\_\_.

(h)  $f'(x)$   $\xrightarrow{\text{-----} \text{ND} \text{-----}}$   
 $x = 3$

Sign chart (h) matches graph \_\_\_\_\_.