1) $\dfrac{p^2 - 3p - 10}{p - 5}$

① simplify

② denom = 0

③ look at highest degree

④ cancel out = 0
  * hole *

⑤ graph

2) $\dfrac{m + 9}{5m^2 + 45m}$

3) $\dfrac{10x + 10}{10x + 15}$

4) $\dfrac{n^2 - 5n - 6}{36 - n^2}$

5) $\dfrac{x^3 + 2x^2 - 3x}{2x - 2}$

6) $\dfrac{2r^3 + 2r^2 - 112r}{3r^3 - 27r^2 + 42r}$

7) $\dfrac{24n^3 - 8n^2 - 16n}{56n^3 - 40n^2 - 16n}$

8) $\dfrac{2m^2 - 12m - 80}{5m + 20}$