## Answers to End Behavior

1) C
2) A
3) 


4)

7)

10) $f(x) \rightarrow-\infty$ as $x \rightarrow-\infty$
$f(x) \rightarrow-\infty$ as $x \rightarrow+\infty$
13) $f(x) \rightarrow+\infty$ as $x \rightarrow-\infty$ $f(x) \rightarrow-\infty$ as $x \rightarrow+\infty$
5)

8)

11) $f(x) \rightarrow-\infty$ as $x \rightarrow-\infty$
$f(x) \rightarrow-\infty$ as $x \rightarrow+\infty$
12) $\begin{aligned} f(x) & \rightarrow-\infty \text { as } x \rightarrow-\infty \\ f(x) & \rightarrow+\infty \text { as } x \rightarrow+\infty \\ \text { 15) } f(x) & \rightarrow-\infty \text { as } x \rightarrow-\infty \\ f(x) & \rightarrow-\infty \text { as } x \rightarrow+\infty\end{aligned}$
14) $f(x) \rightarrow-\infty$ as $x \rightarrow-\infty$ $f(x) \rightarrow+\infty$ as $x \rightarrow+\infty$
6)

9) $f(x) \rightarrow-\infty$ as $x \rightarrow-\infty$ $f(x) \rightarrow+\infty$ as $x \rightarrow+\infty$
16) $f(x) \rightarrow-\infty$ as $x \rightarrow-\infty$ $f(x) \rightarrow+\infty$ as $x \rightarrow+\infty$

