

PUZZLE SHEET

Logarithmic graphs match-up

Match each equation to its graph.

1 $y = \log_{10} x$

2 $y = \log_8(x - 1) + 3$

3 $y = \log_2(x + 7)$

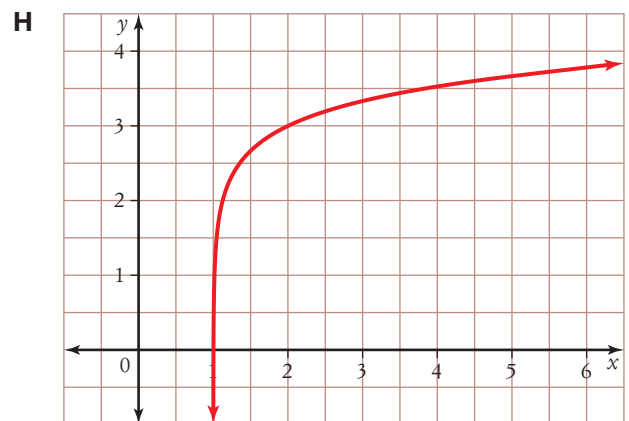
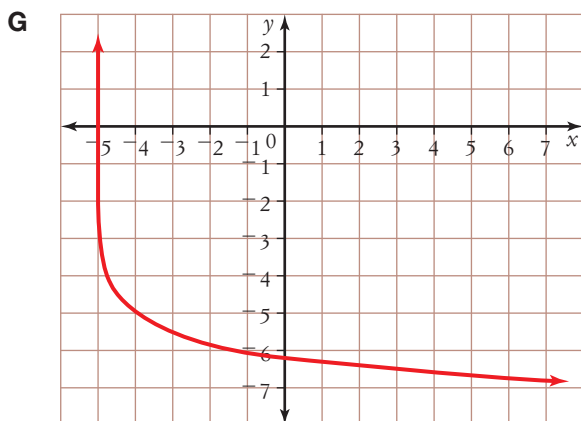
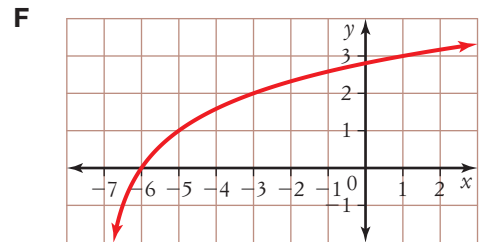
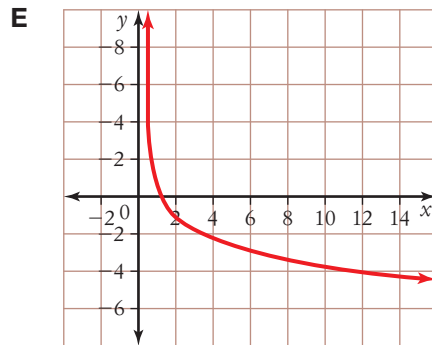
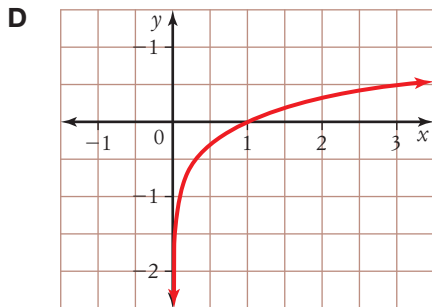
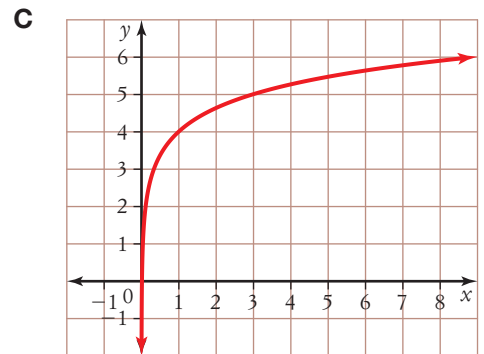
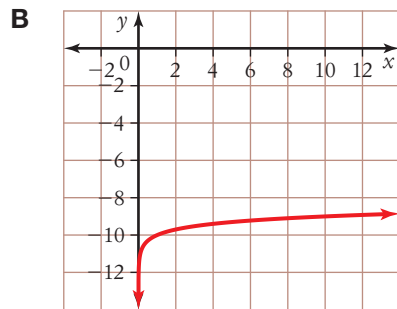
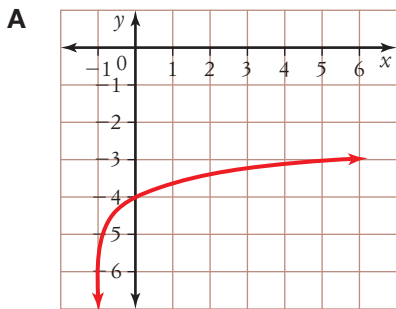
4 $y = \log_7(x + 1) - 4$

5 $y = \log_3 x + 4$

6 $\log_{10} x - 10$

7 $y = \log_{\frac{1}{5}}(x + 5) - 5$

8 $y = \log_{\frac{1}{2}}\left(x - \frac{1}{2}\right) - \frac{1}{2}$



Answers

1 D 2 H 3 F 4 A
5 C 6 B 7 G 8 E