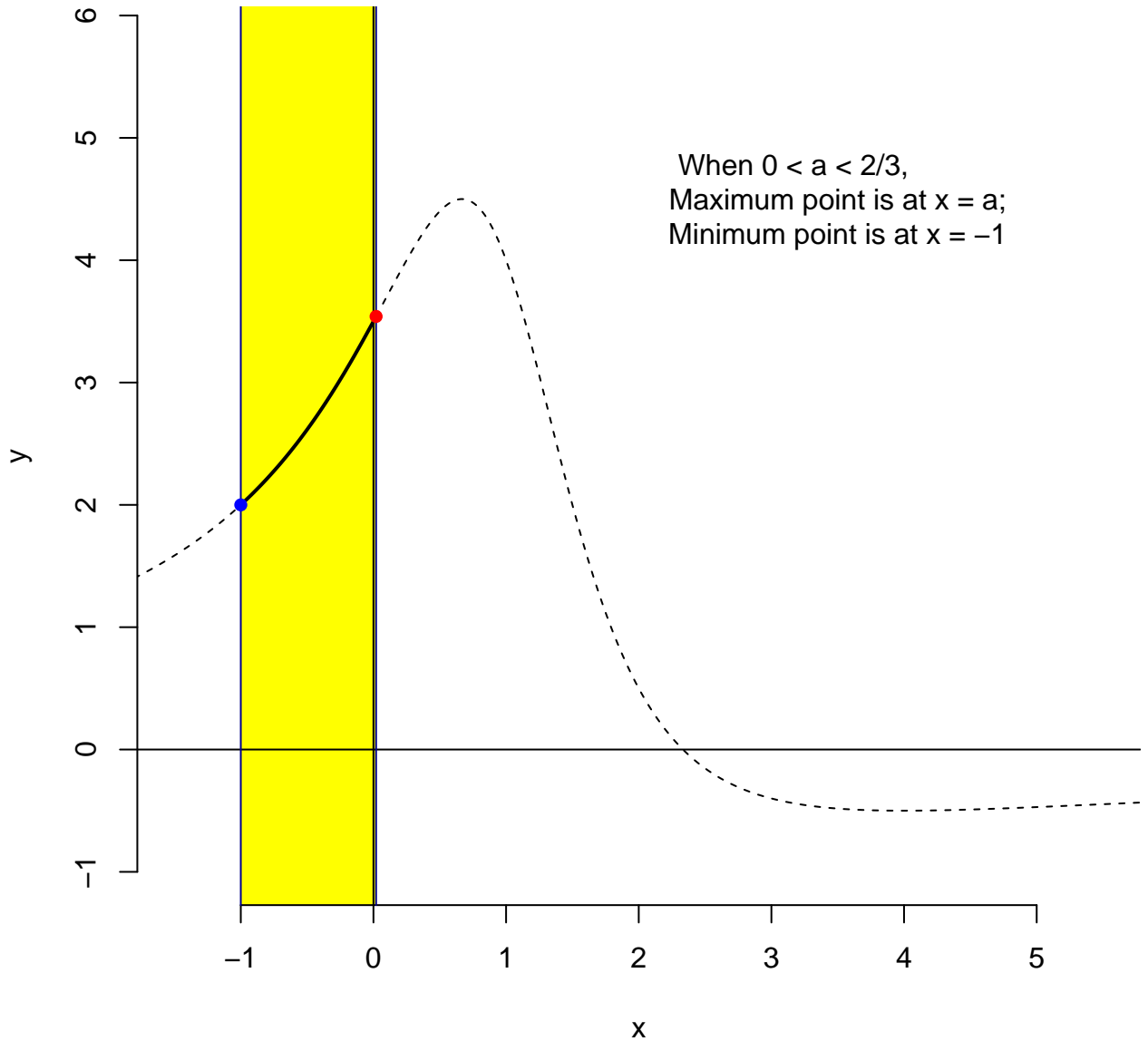


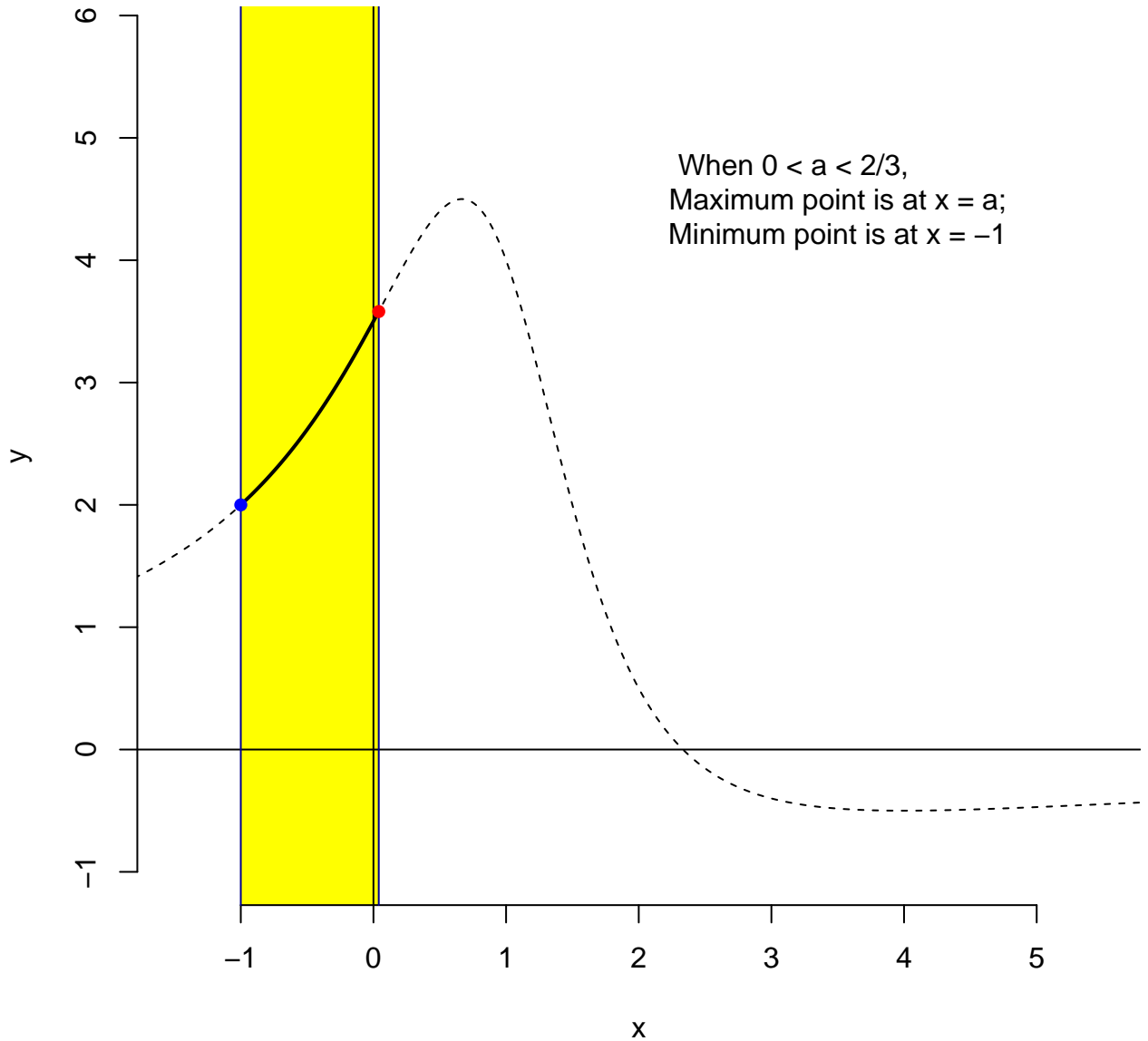
$a = 0.02$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



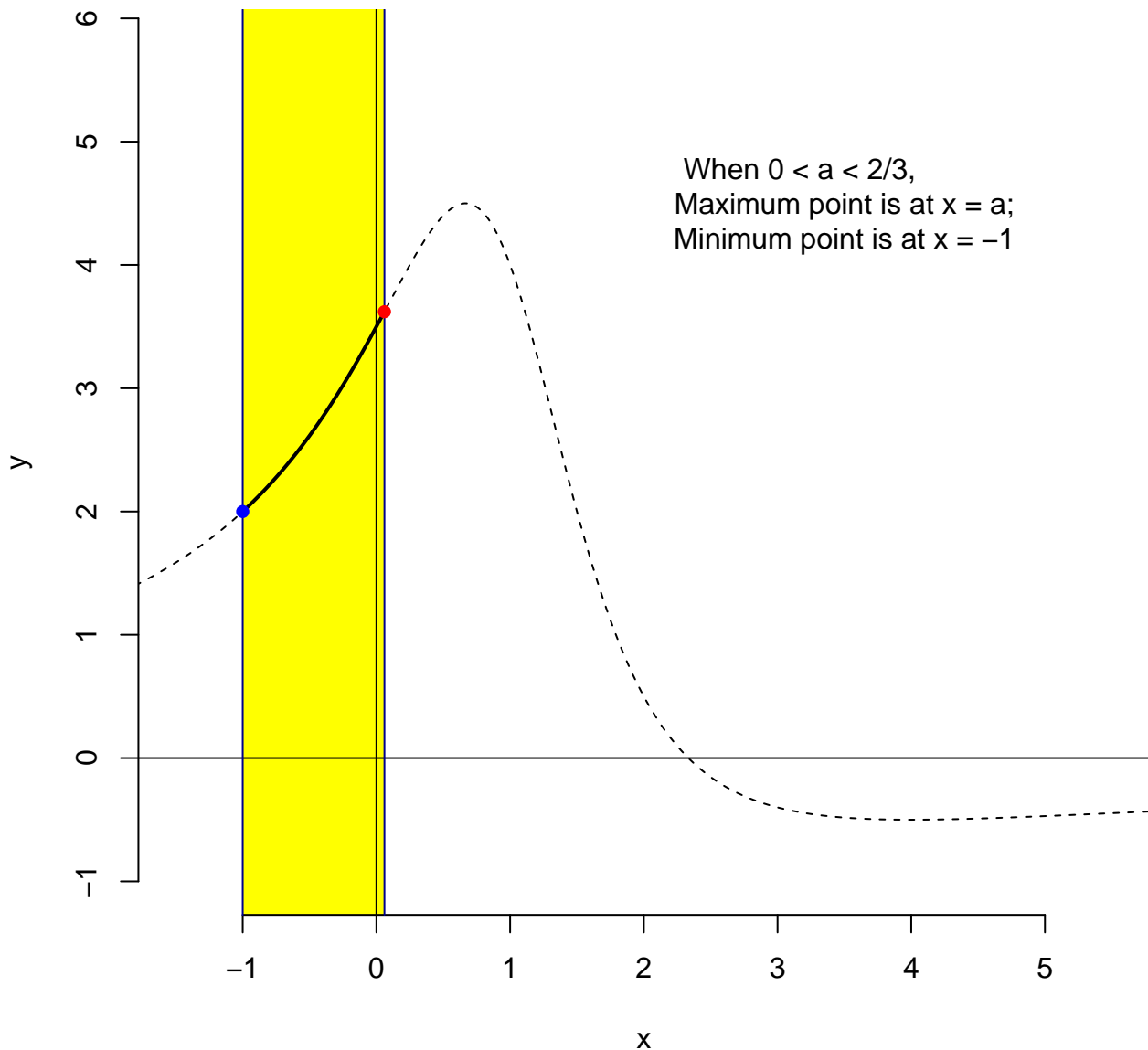
$a = 0.04$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



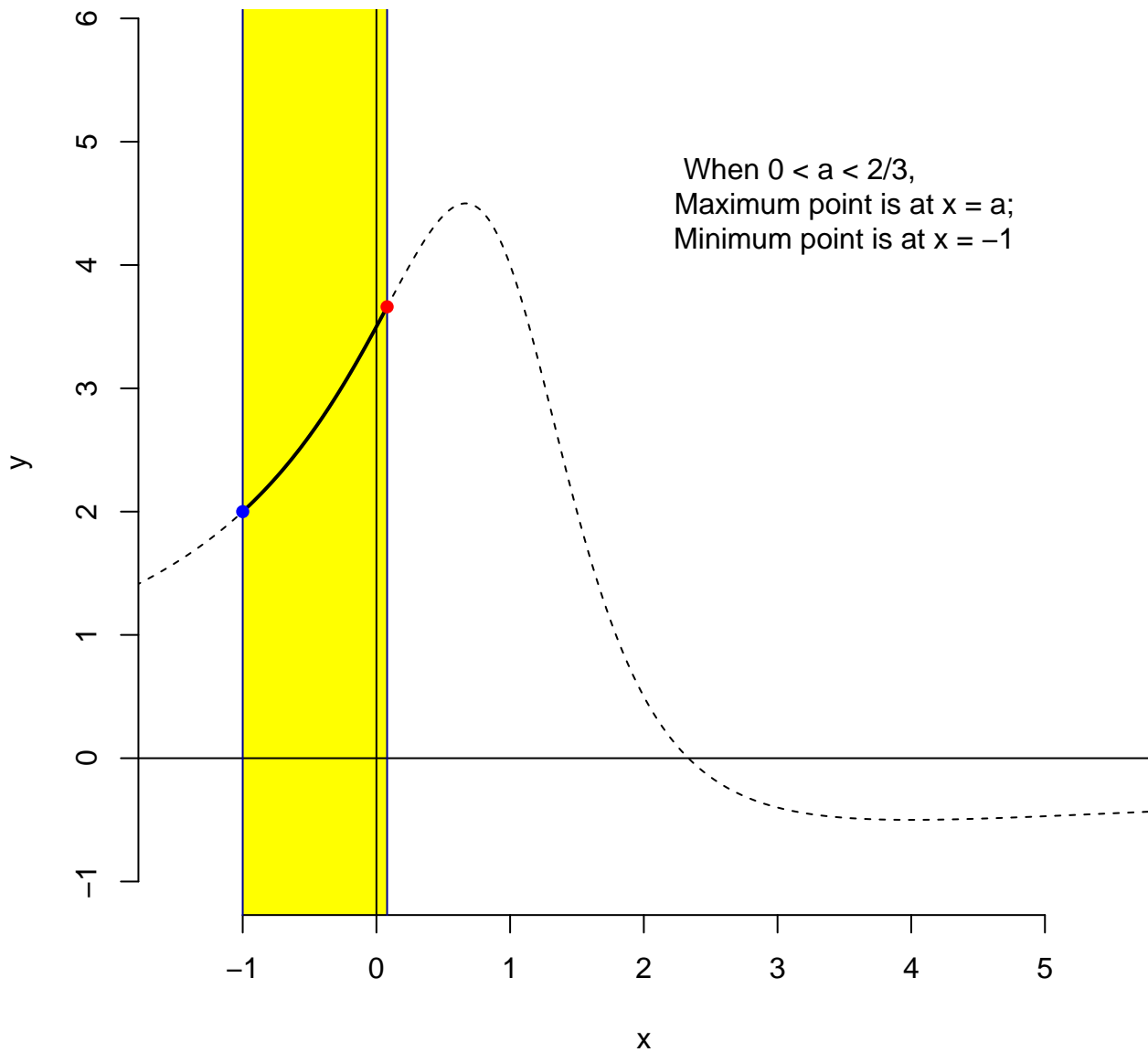
$a = 0.06$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



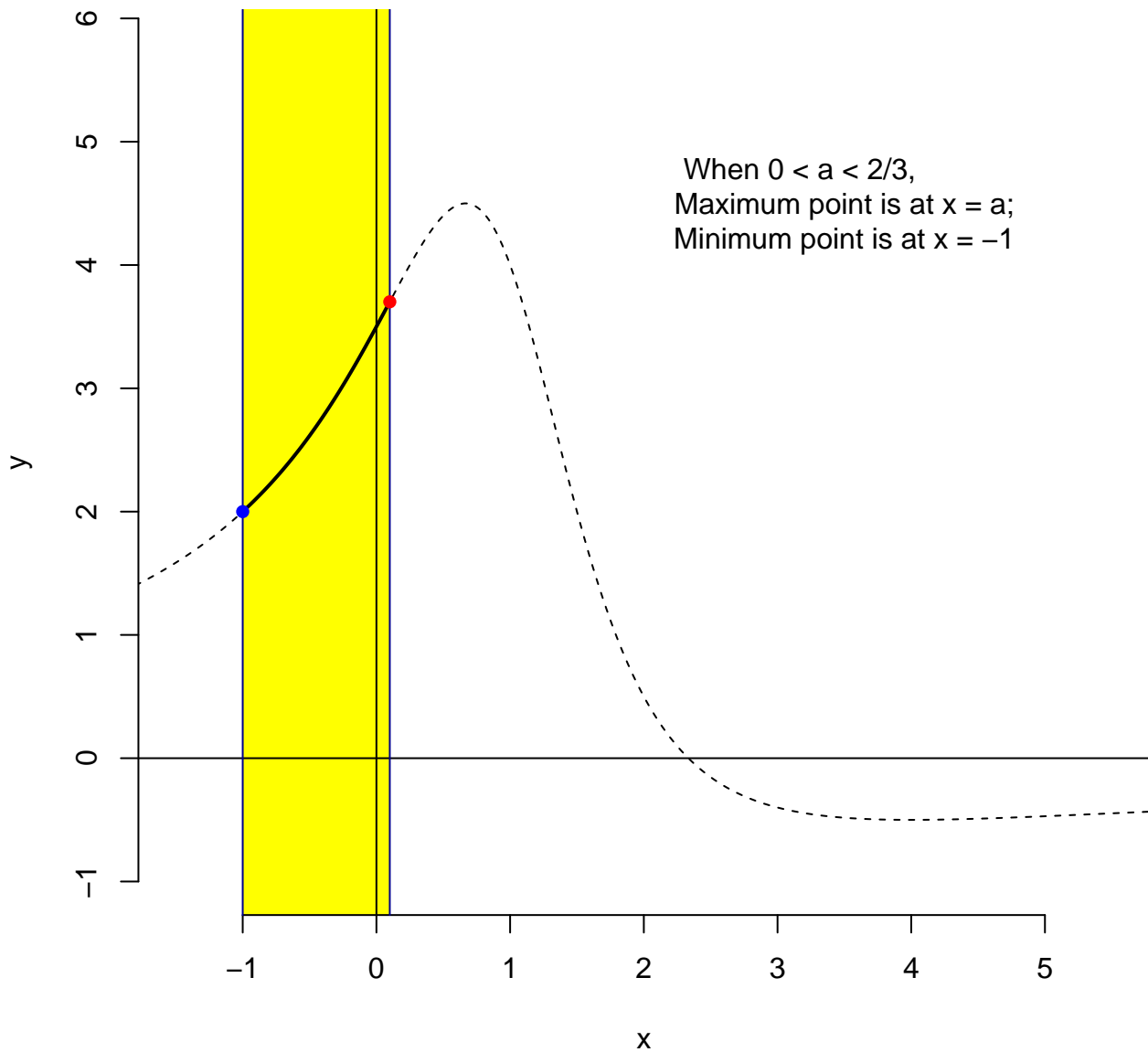
$a = 0.08$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



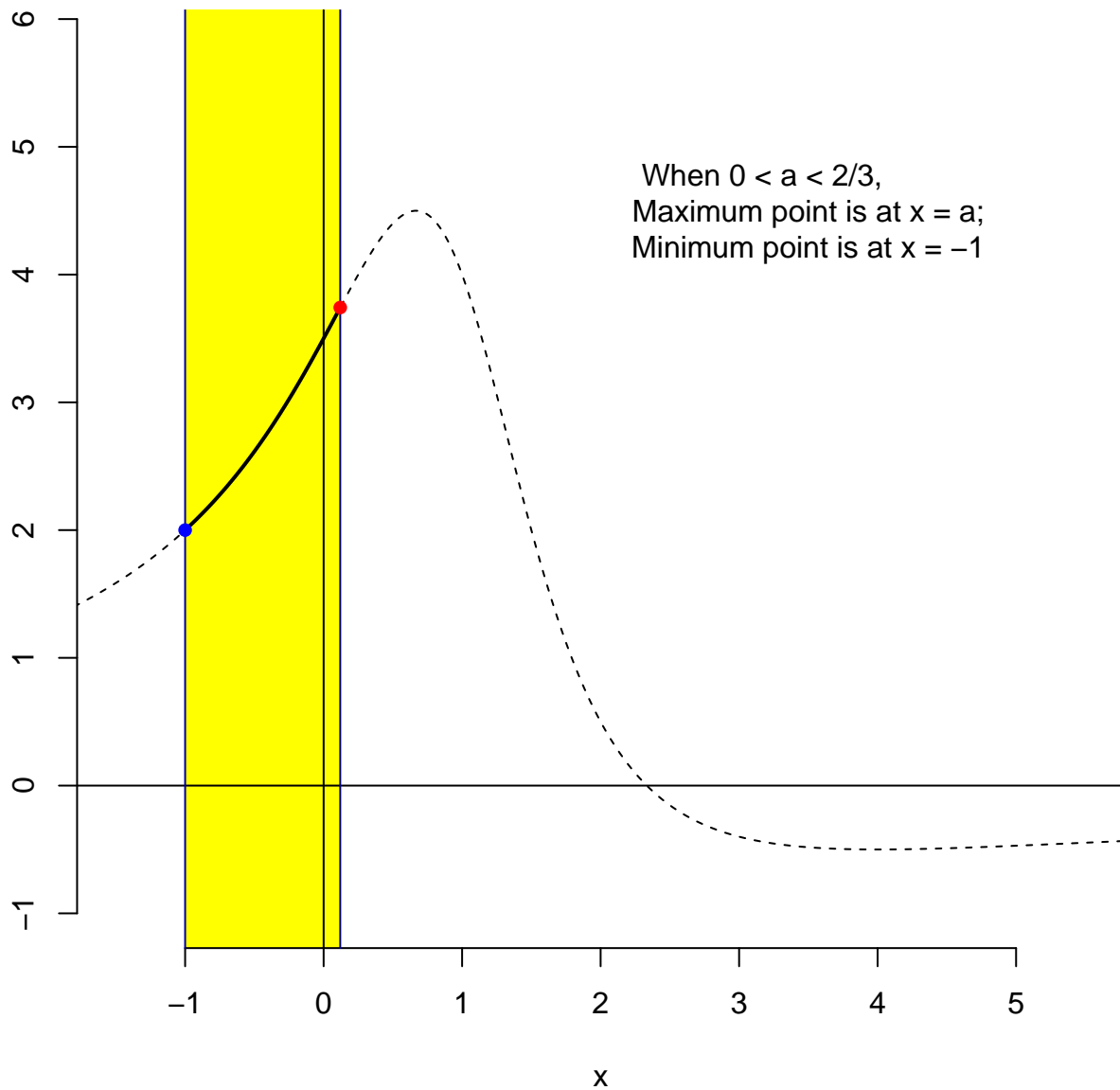
$a = 0.1$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



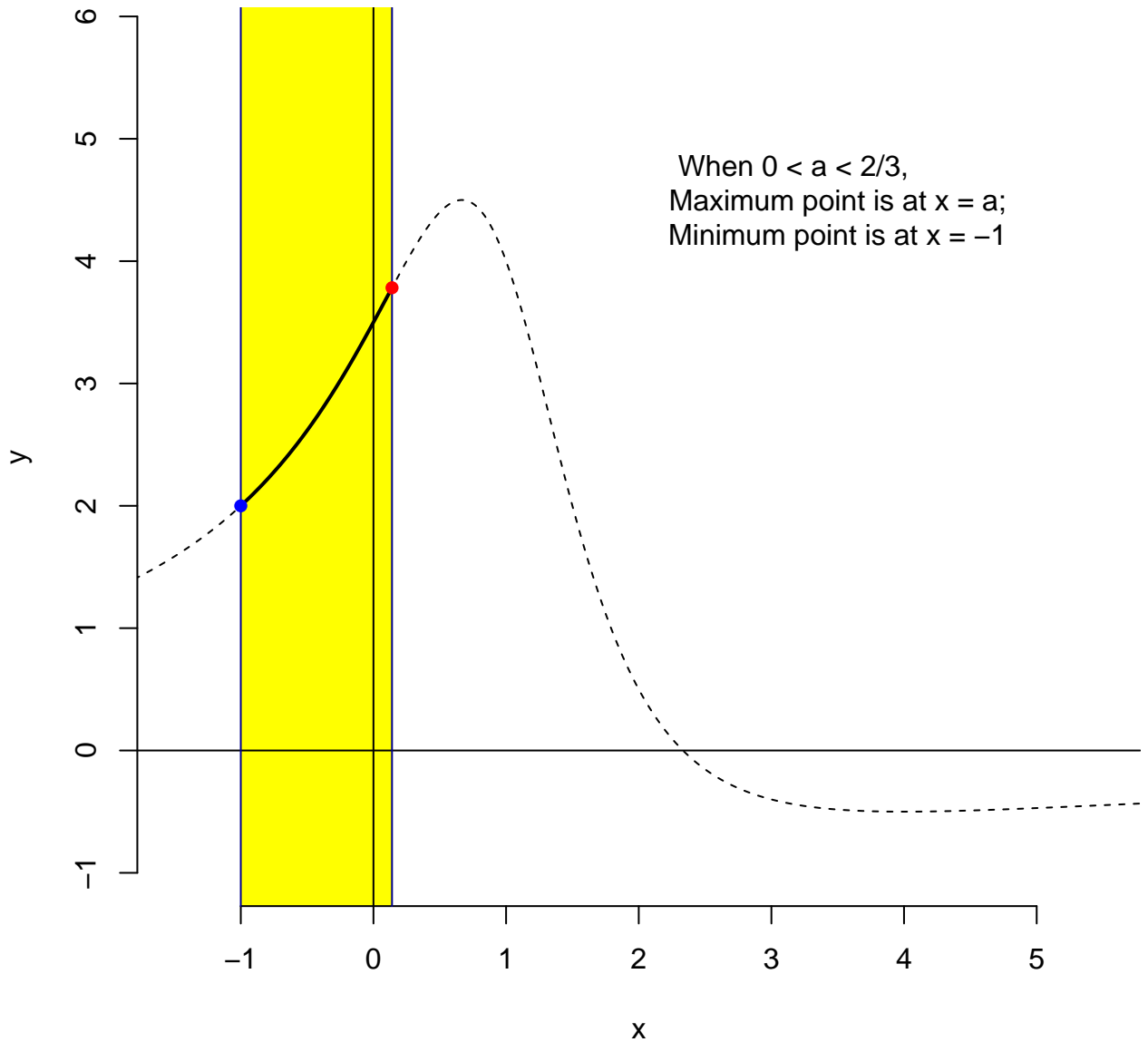
$a = 0.12$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



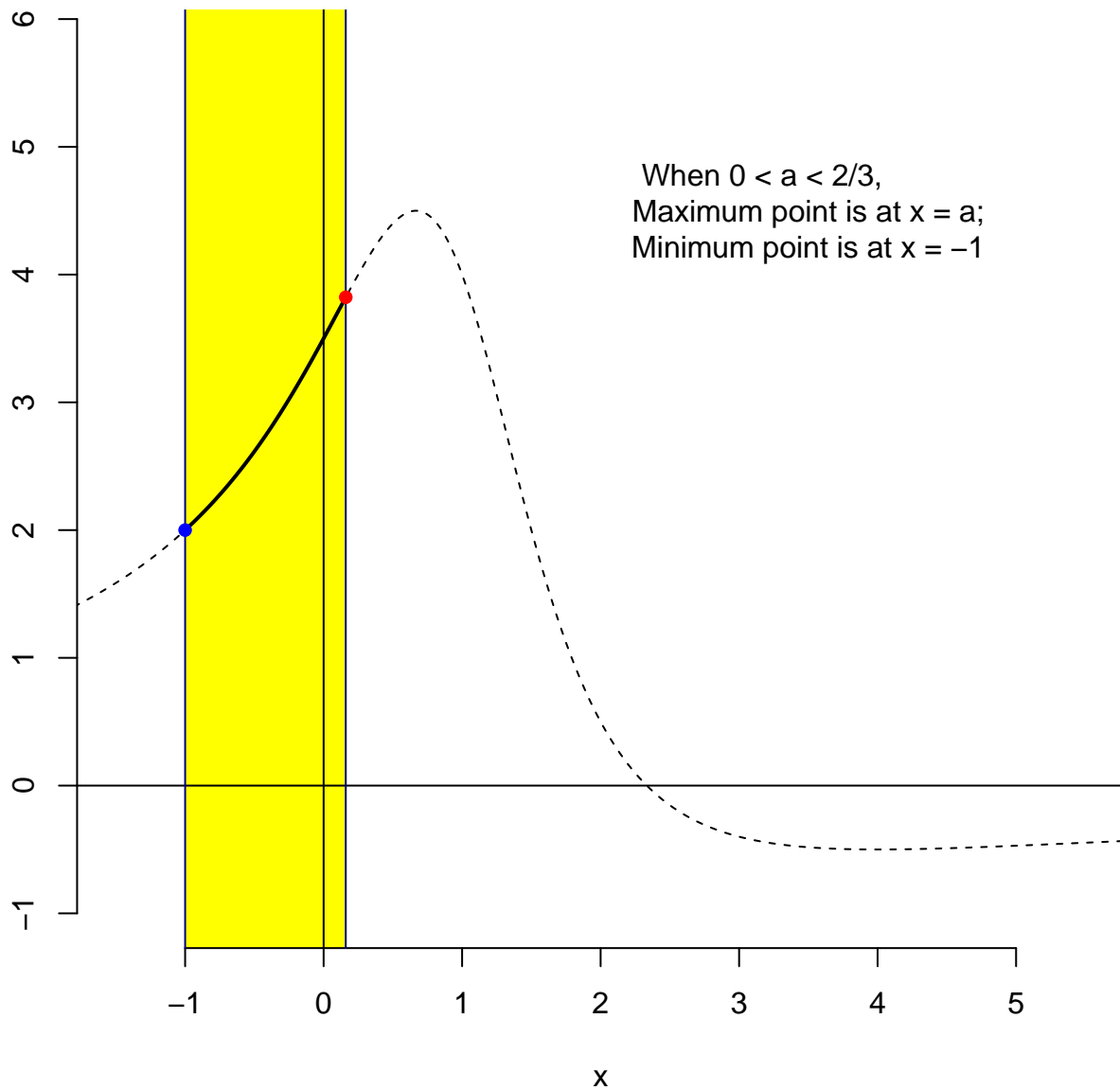
$a = 0.14$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



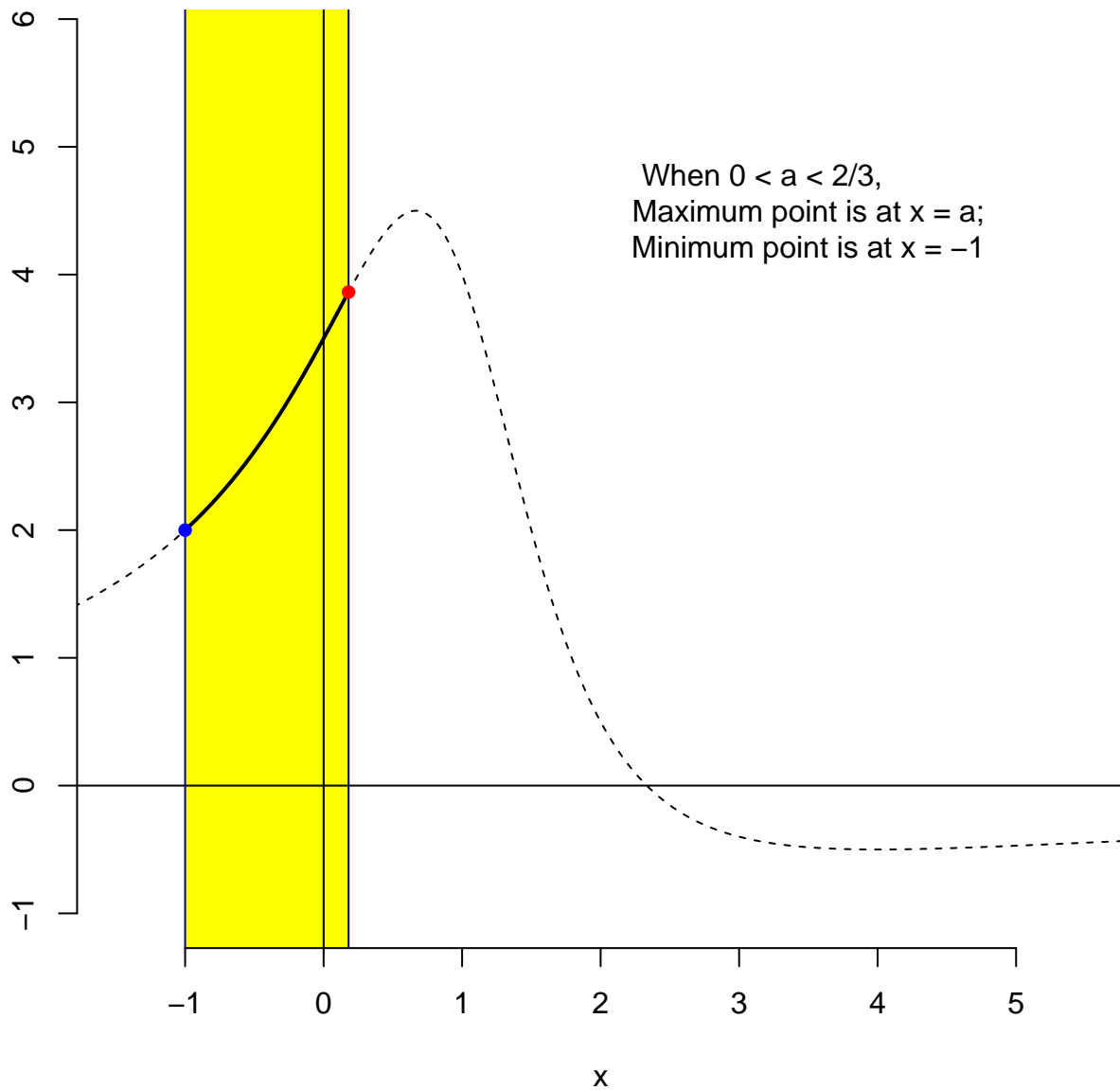
$a = 0.16$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



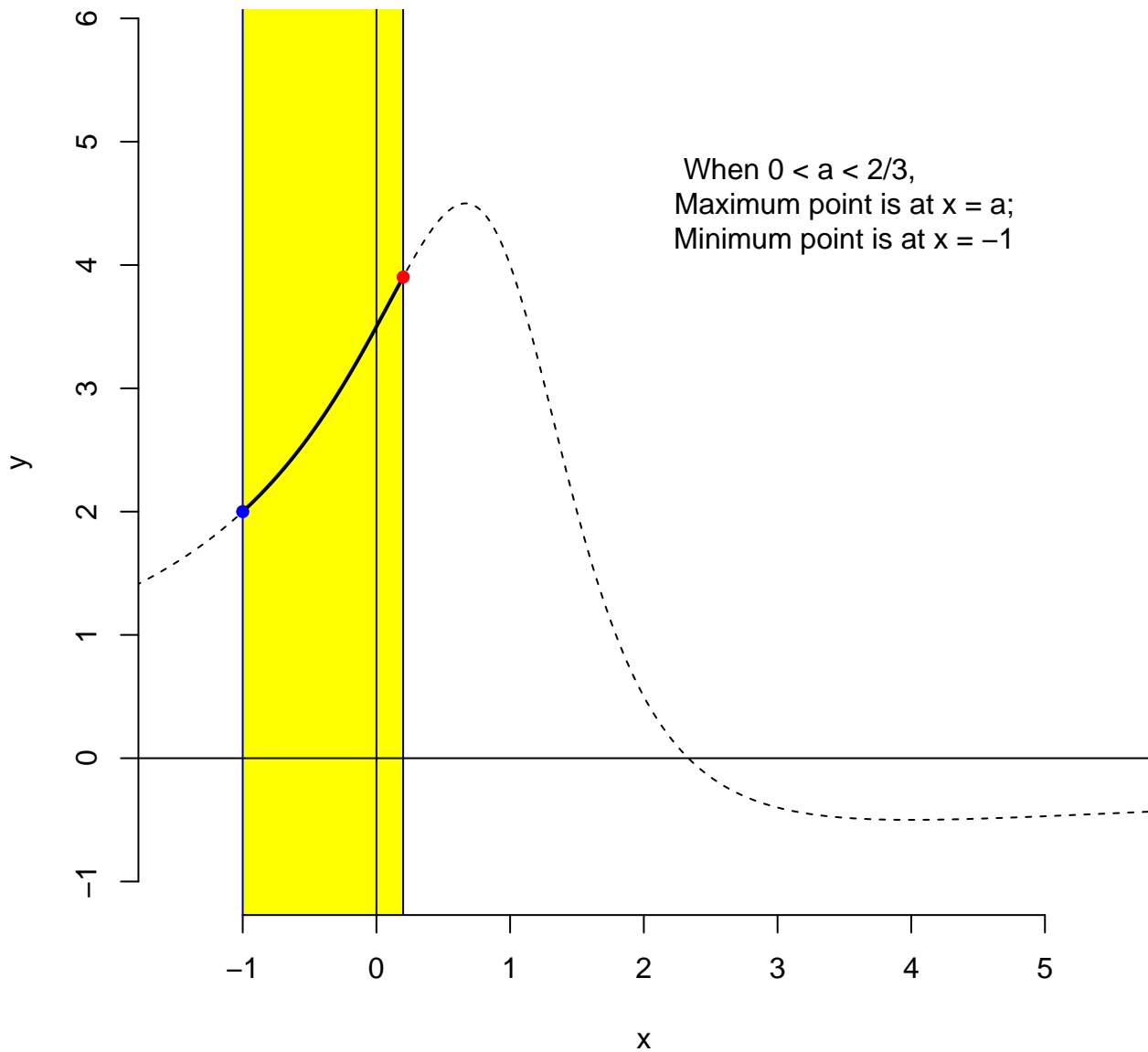
$$a = 0.18$$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



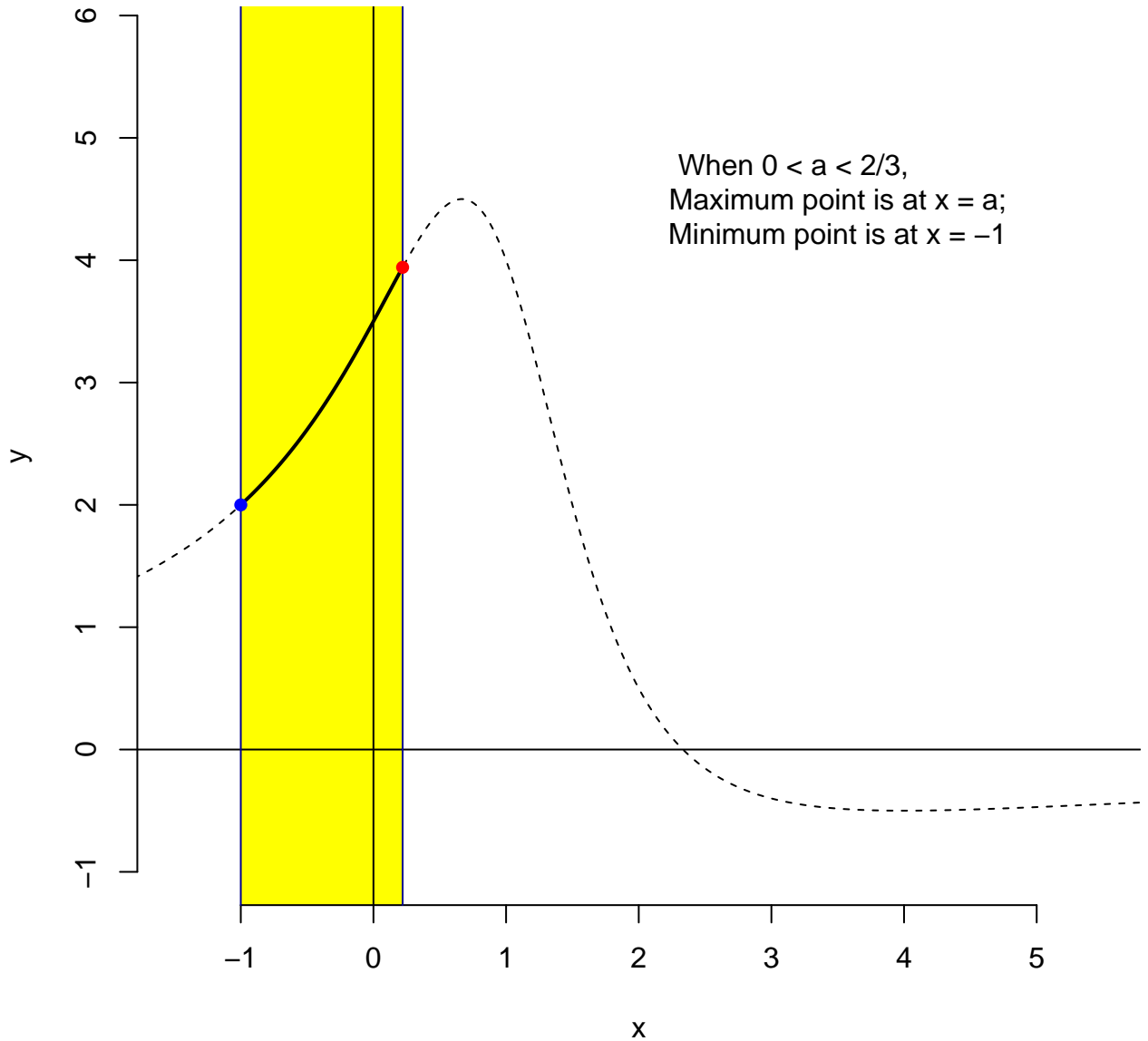
$a = 0.2$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



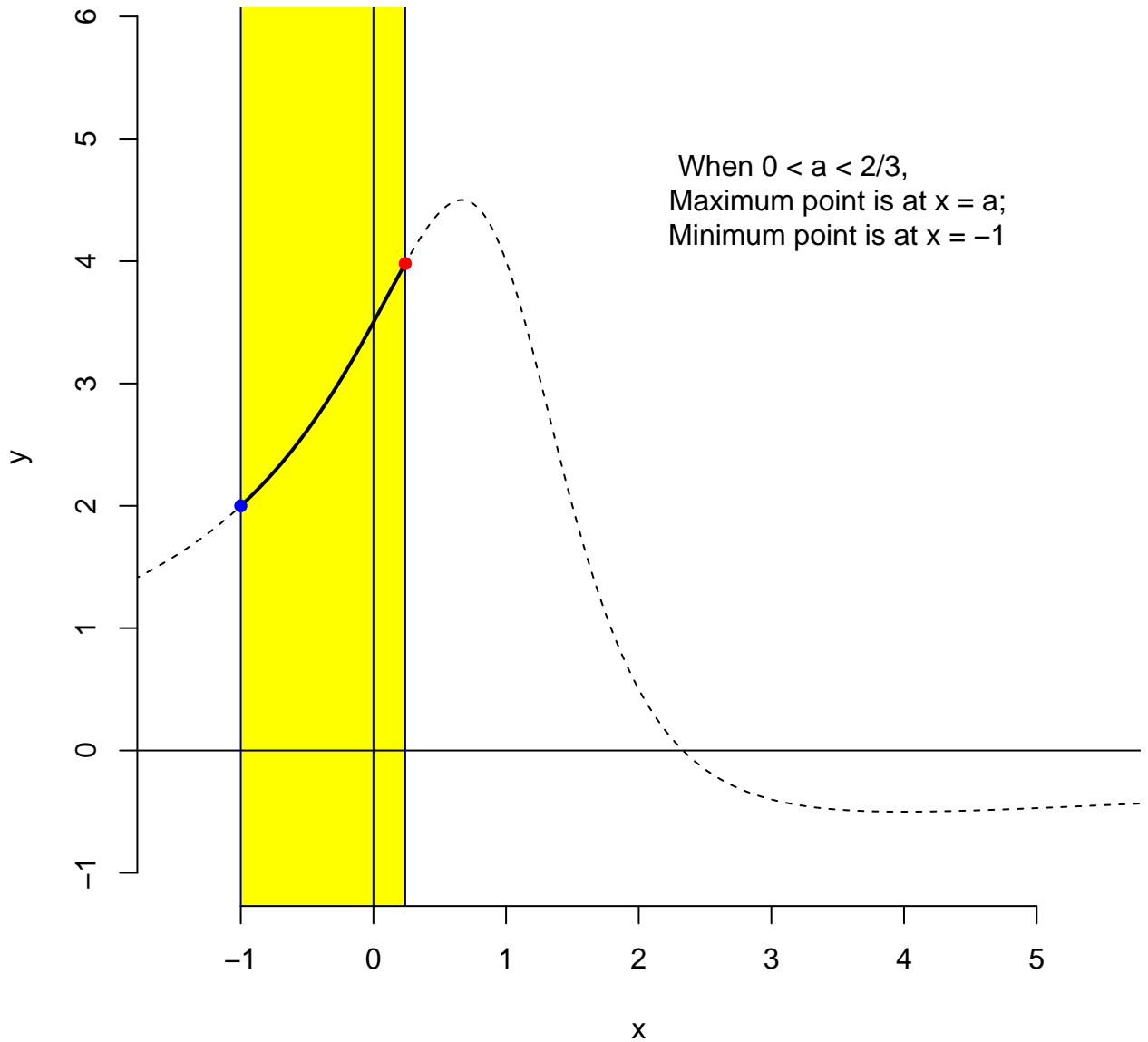
$a = 0.22$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



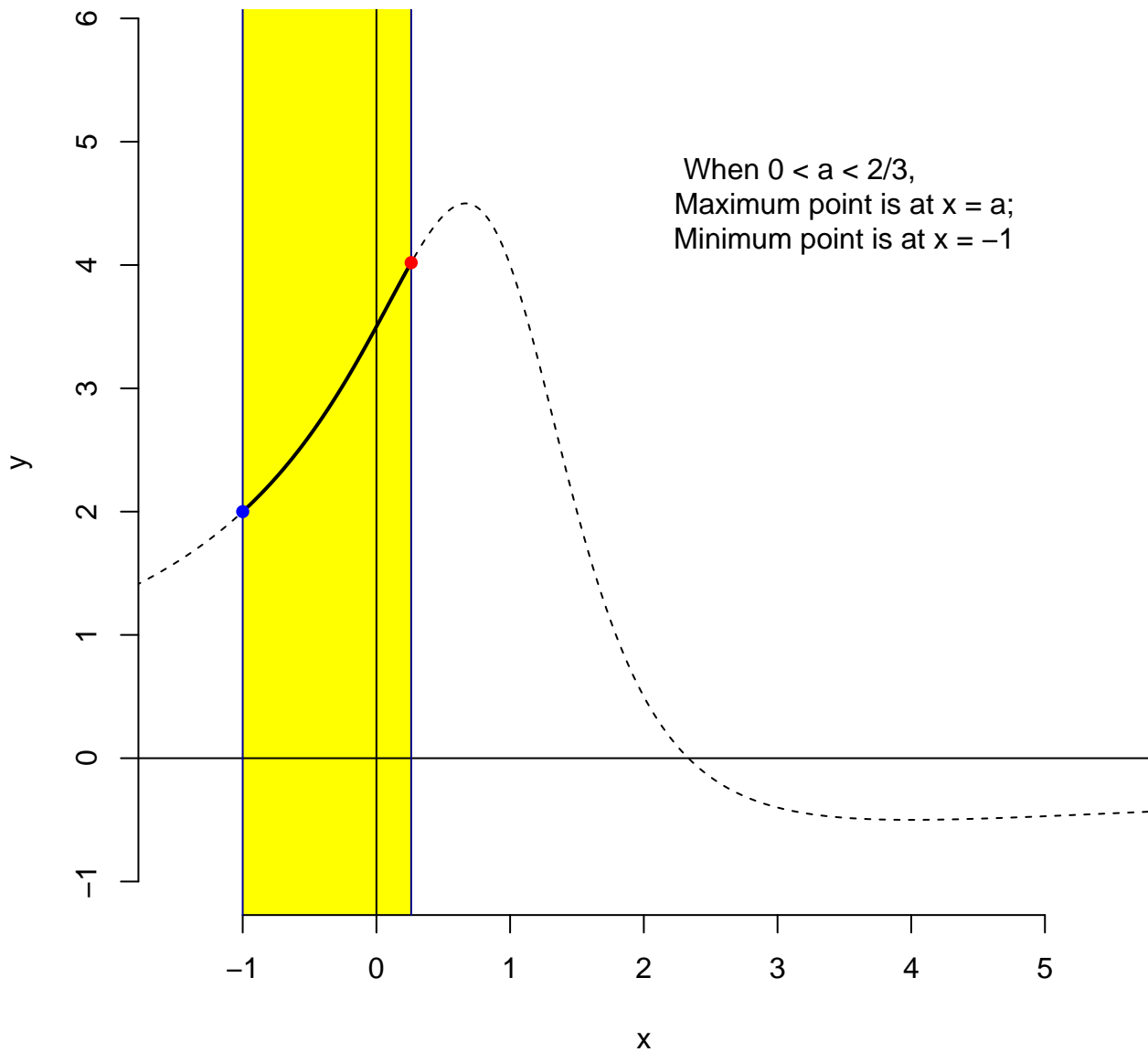
$a = 0.24$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



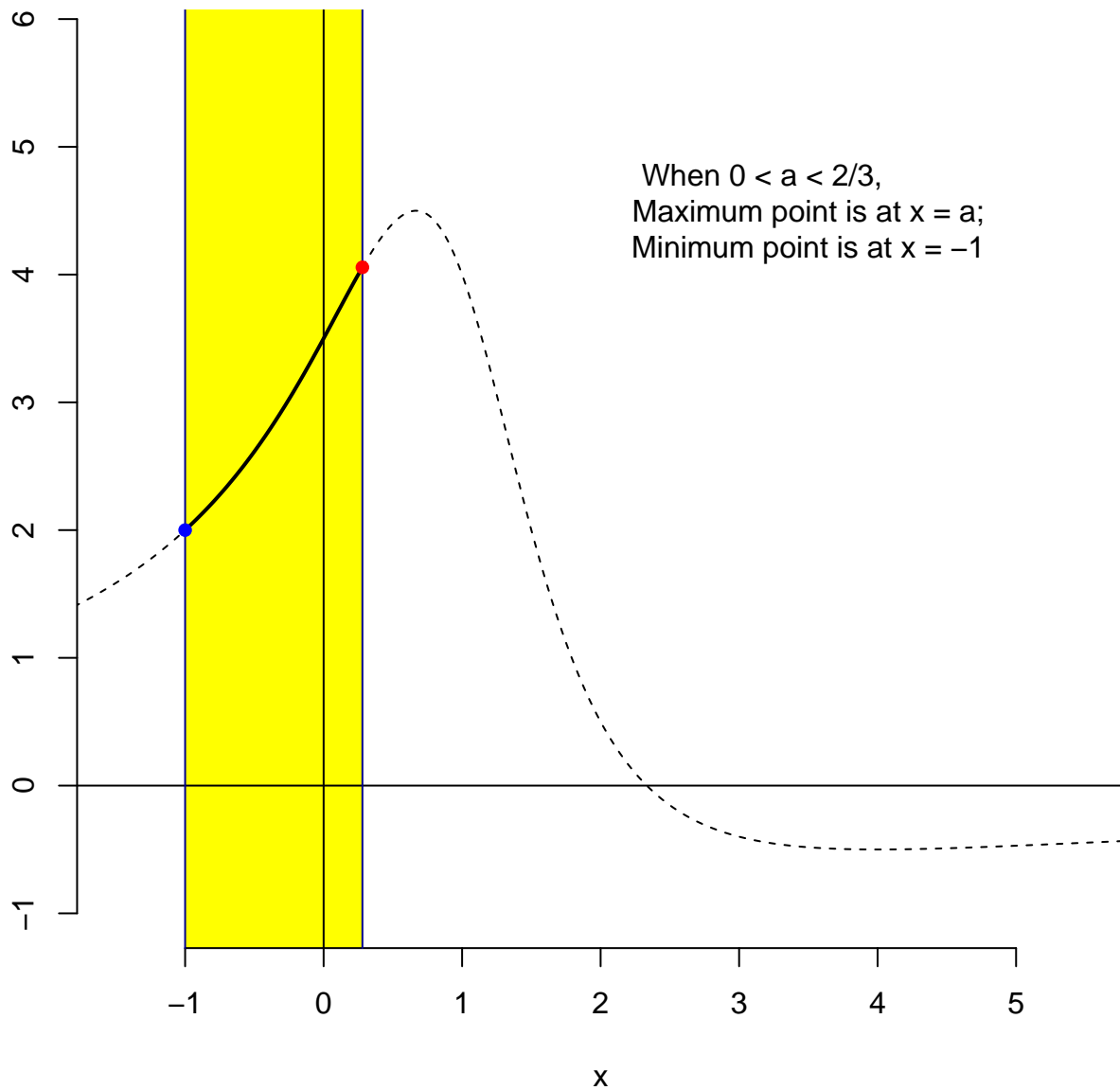
$$a = 0.26$$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



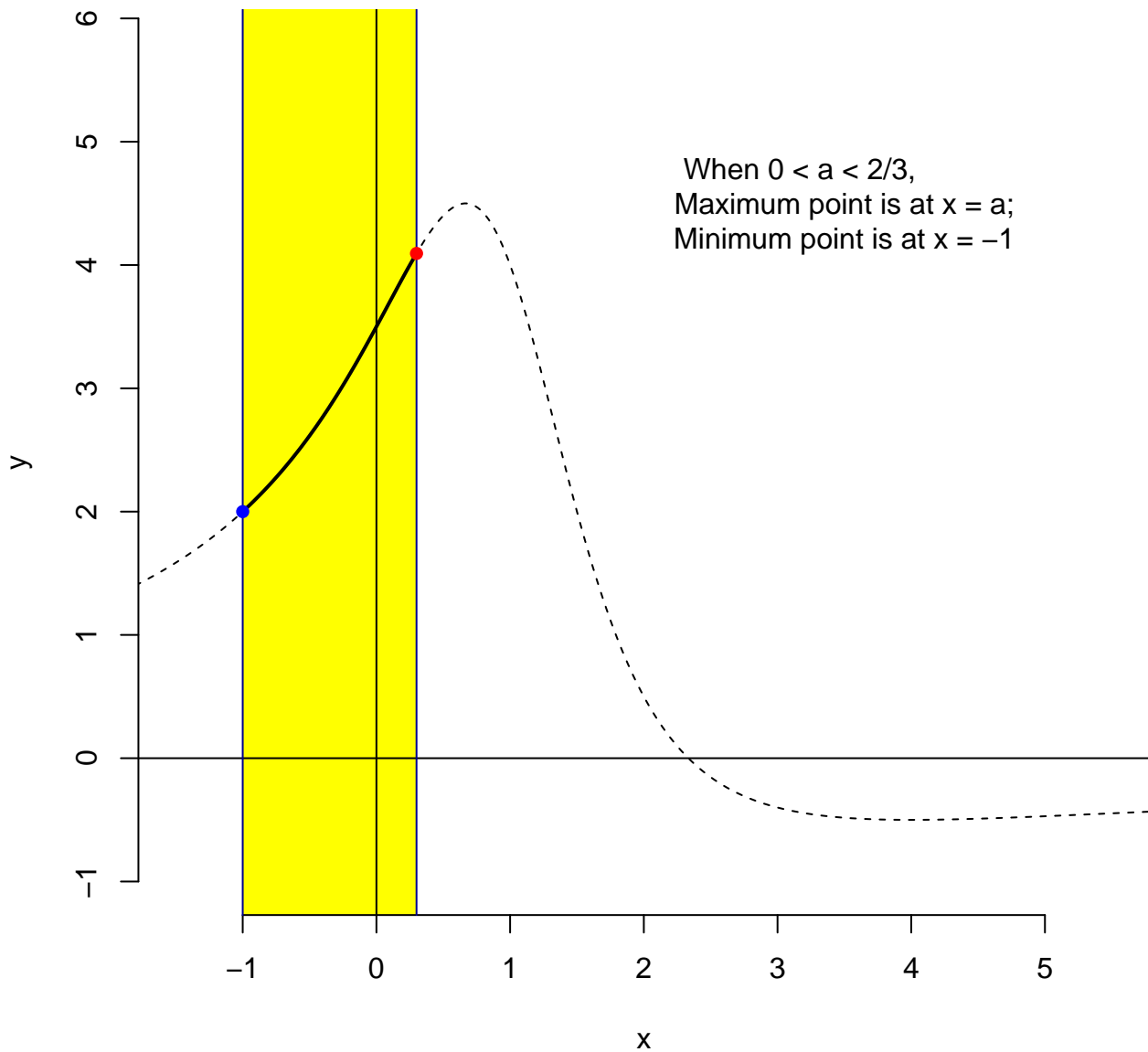
$a = 0.28$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



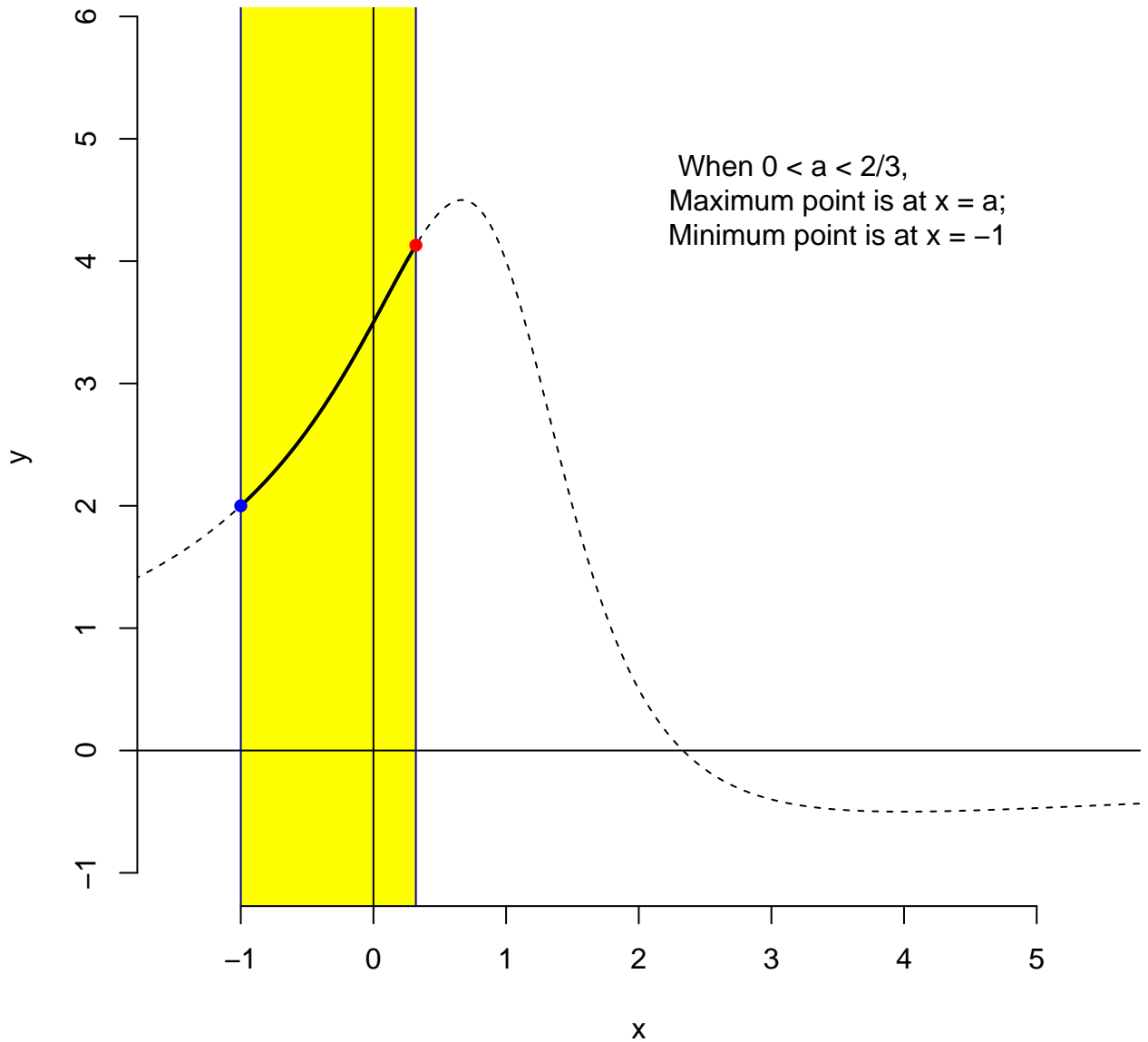
$a = 0.3$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



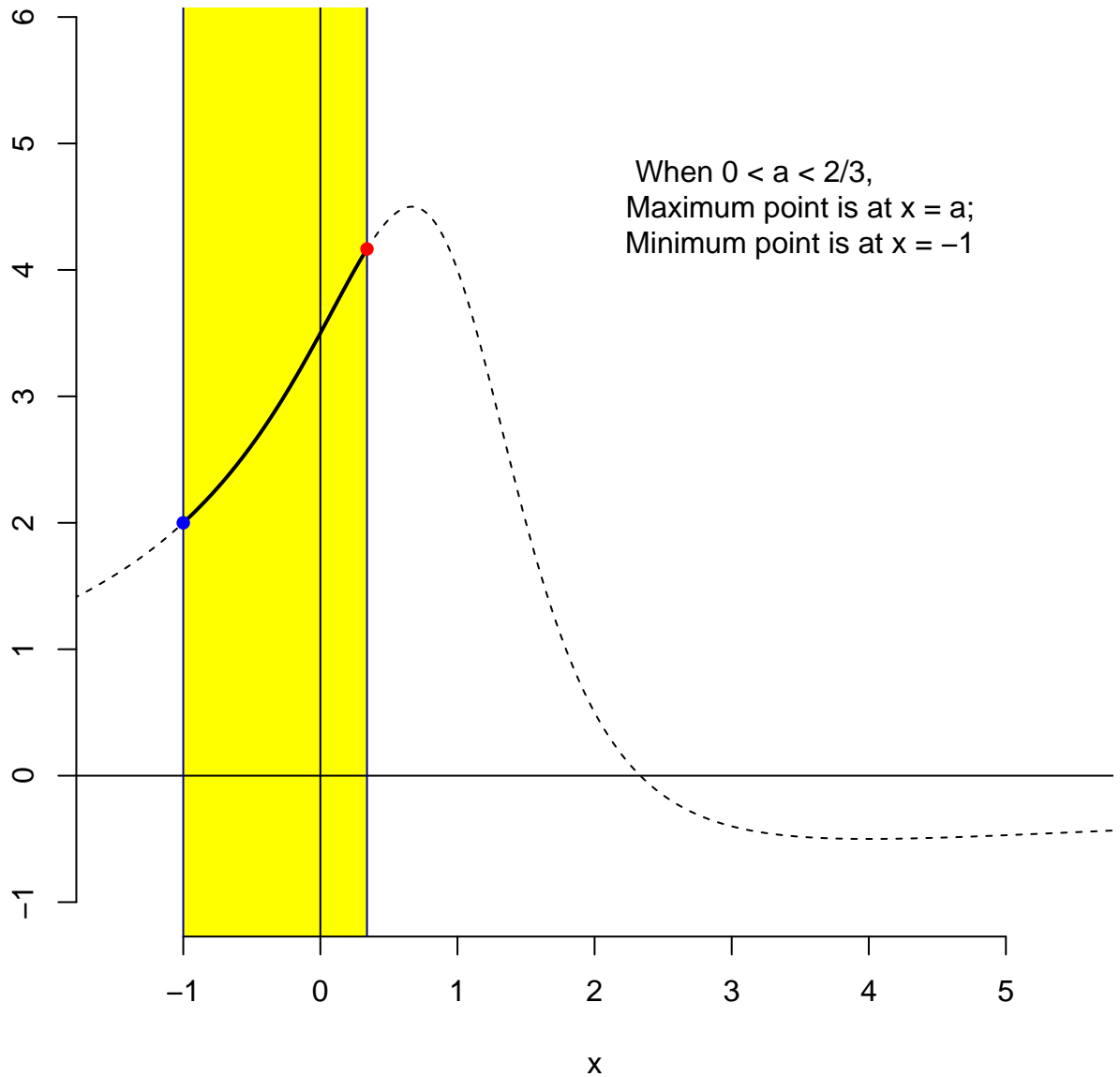
$$a = 0.32$$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



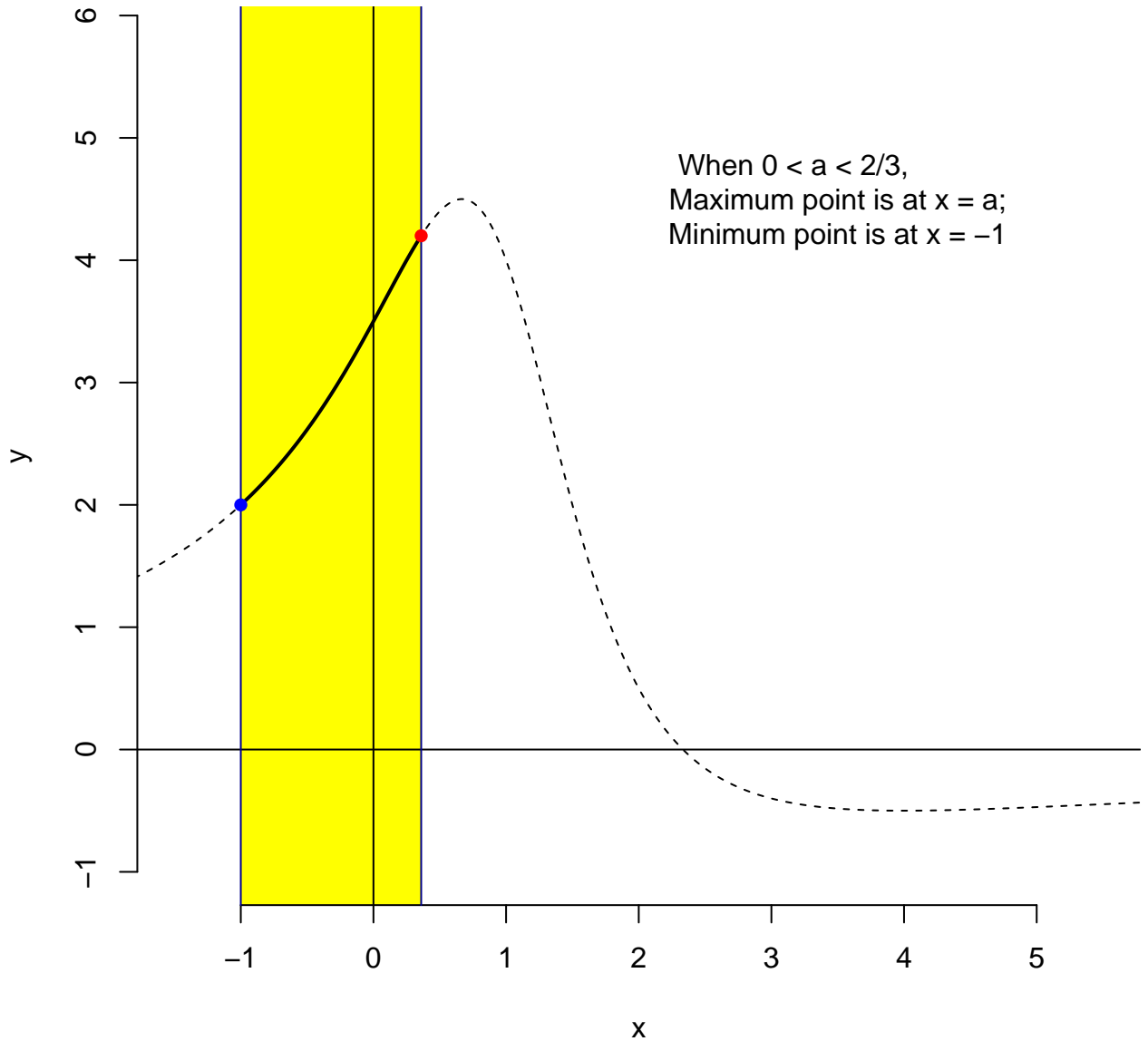
$$a = 0.34$$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



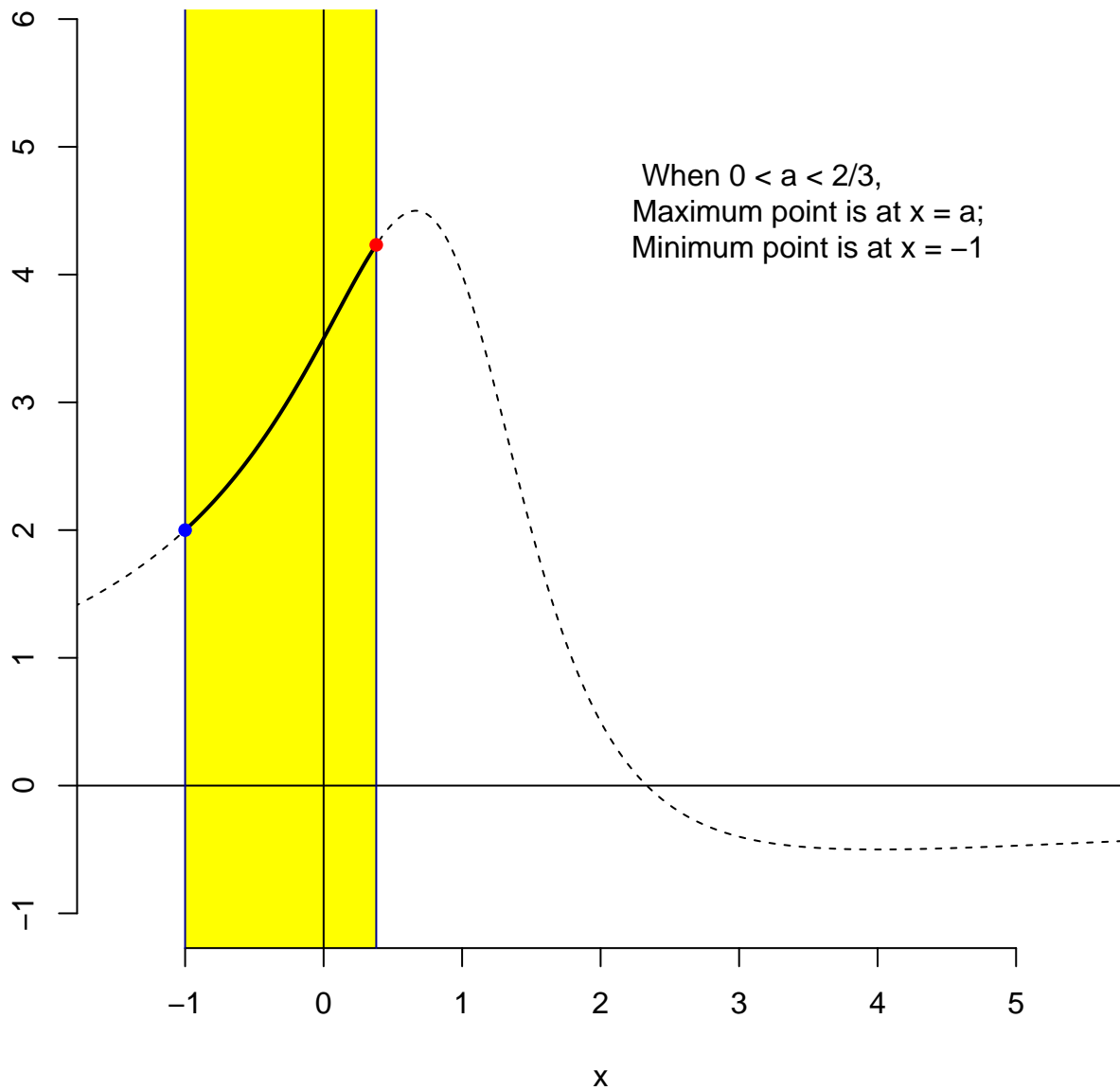
$a = 0.36$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



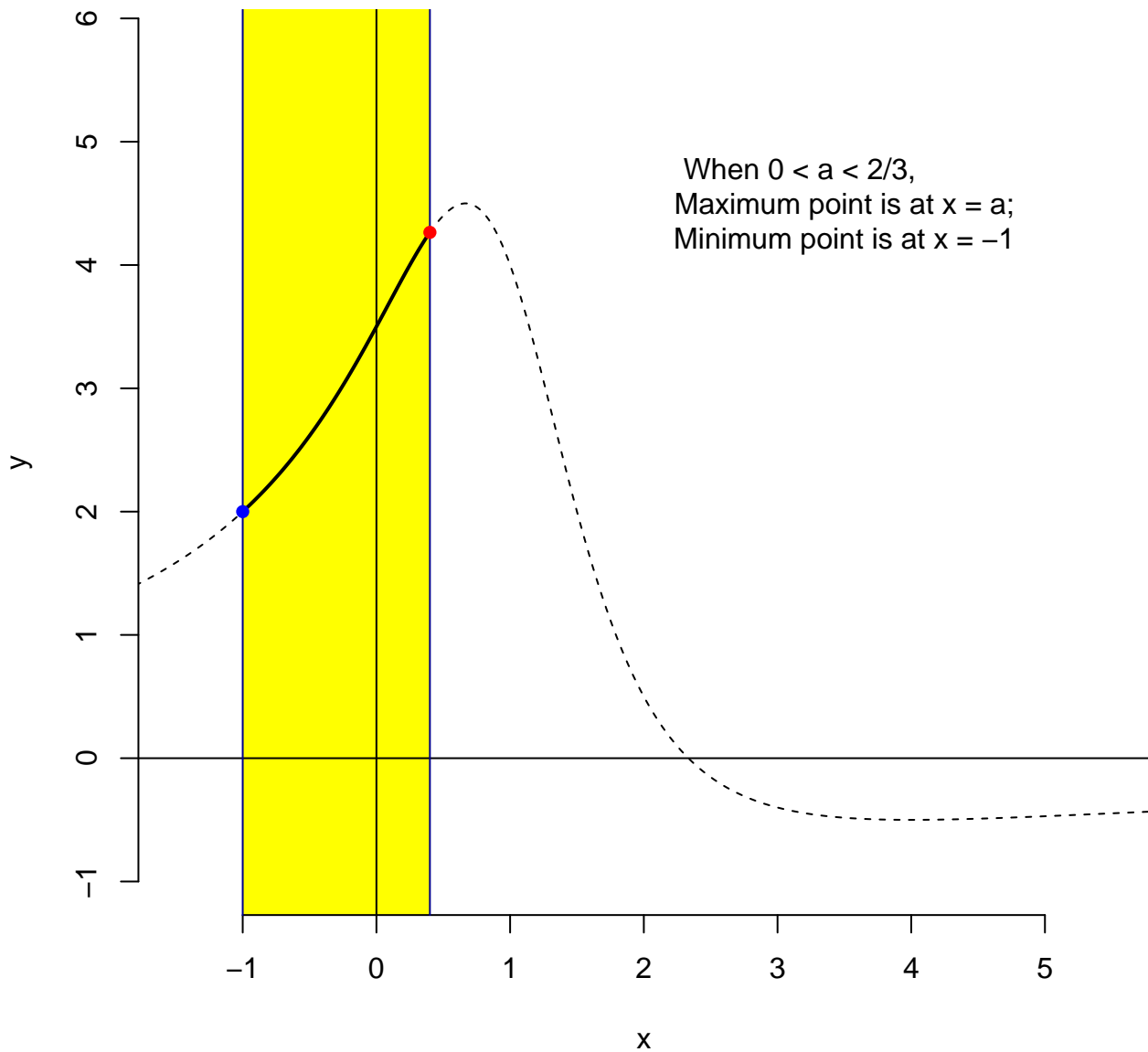
$$a = 0.38$$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



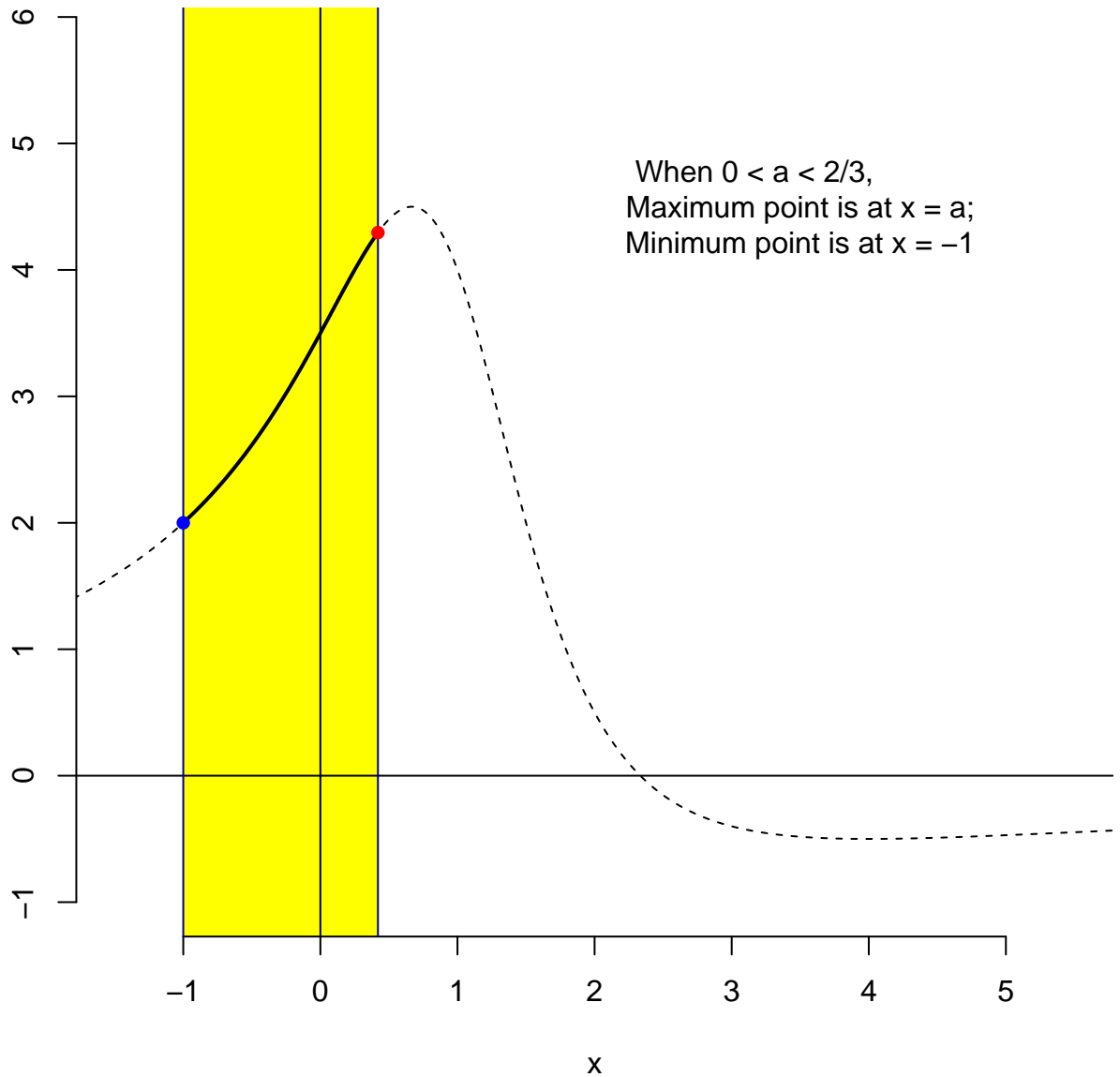
$a = 0.4$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



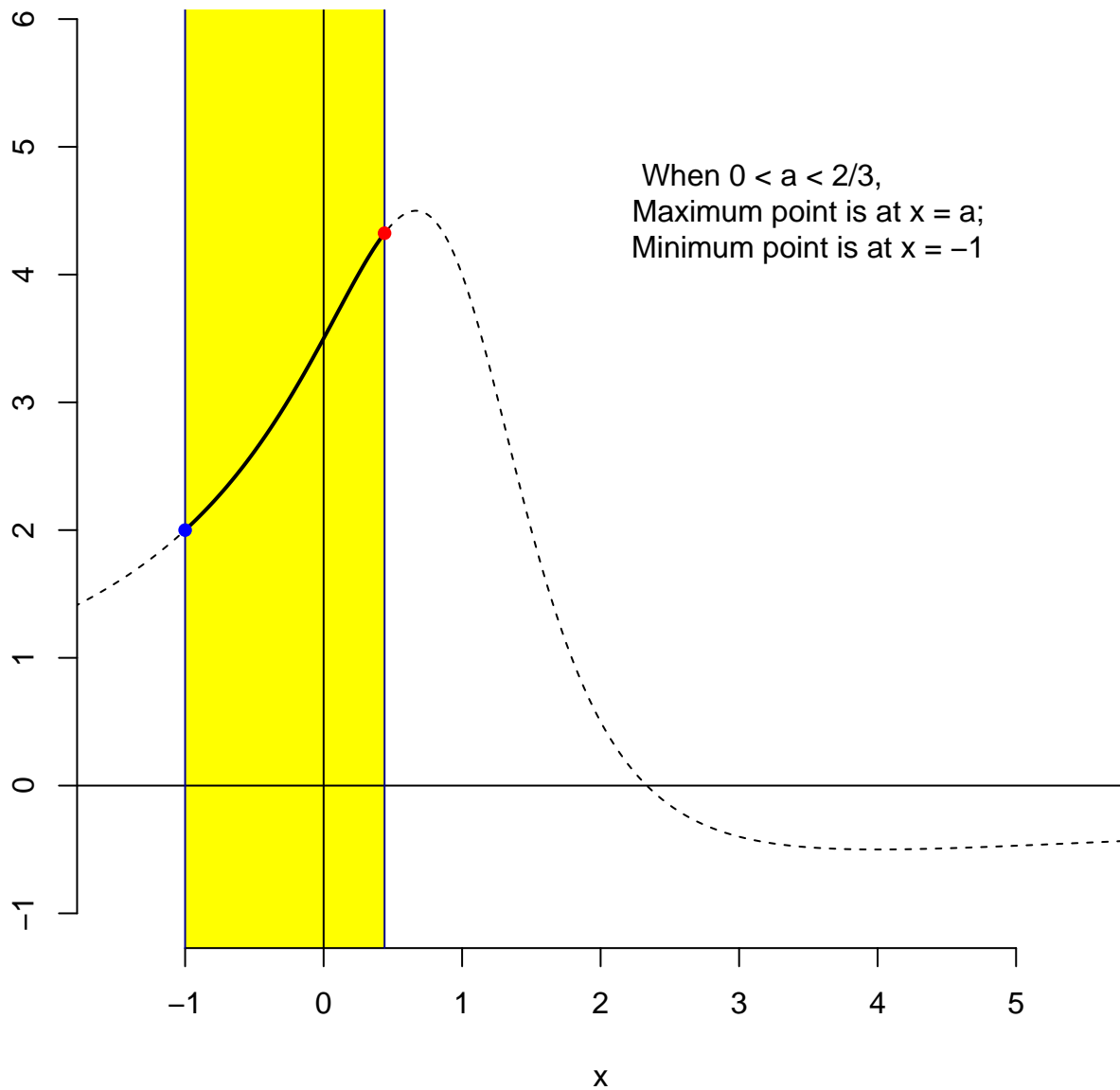
$a = 0.42$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



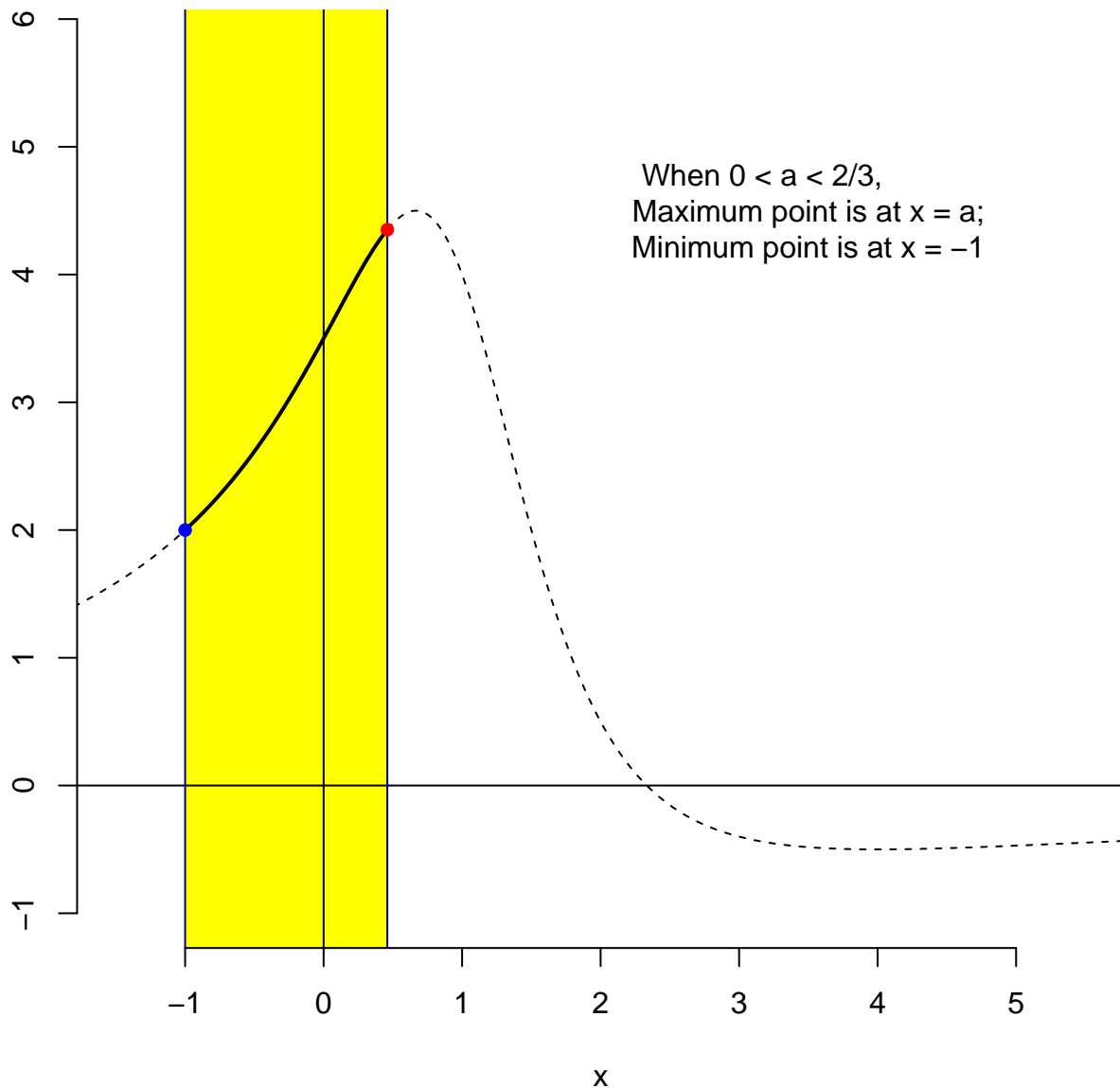
$$a = 0.44$$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



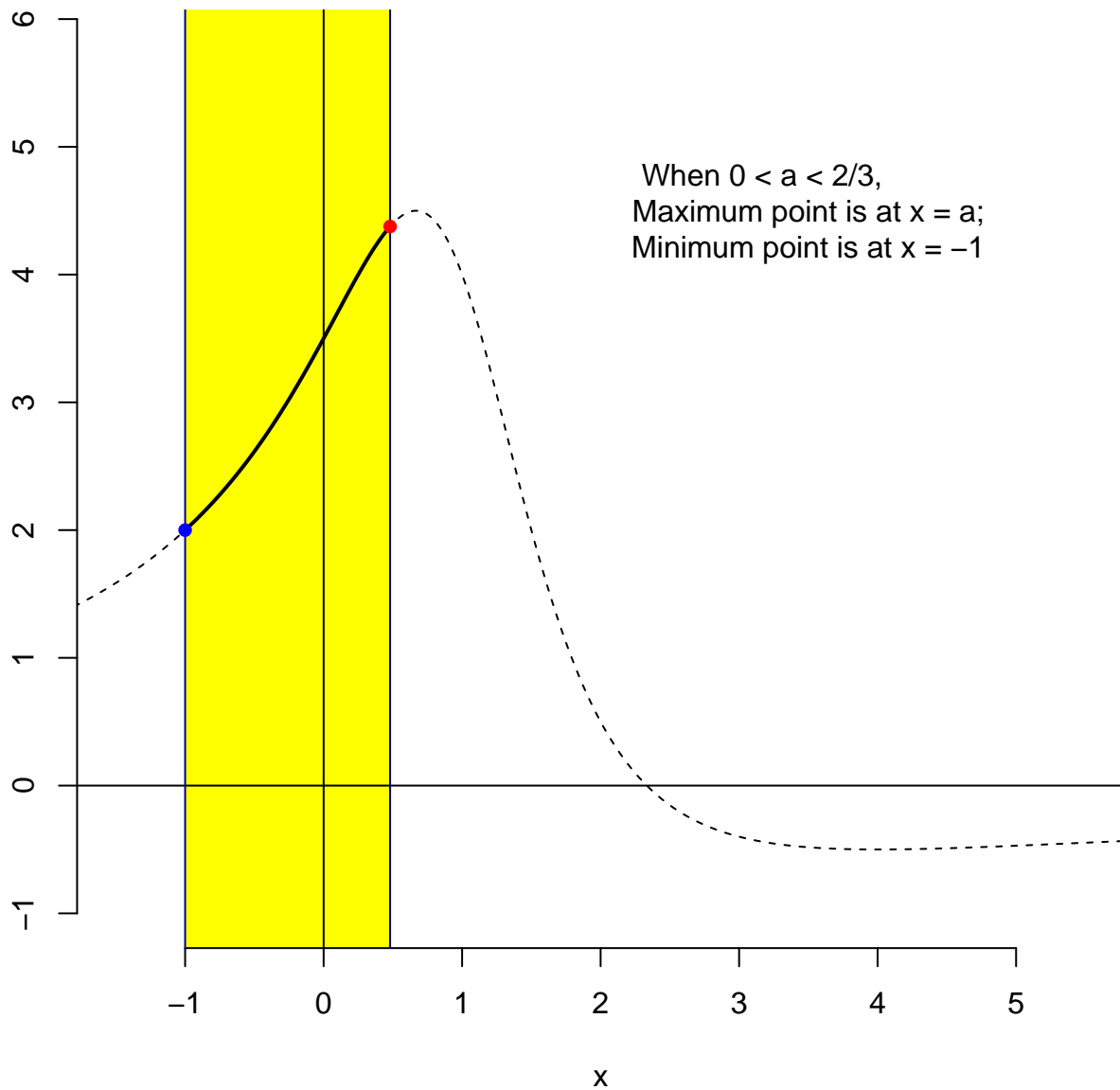
$$a = 0.46$$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



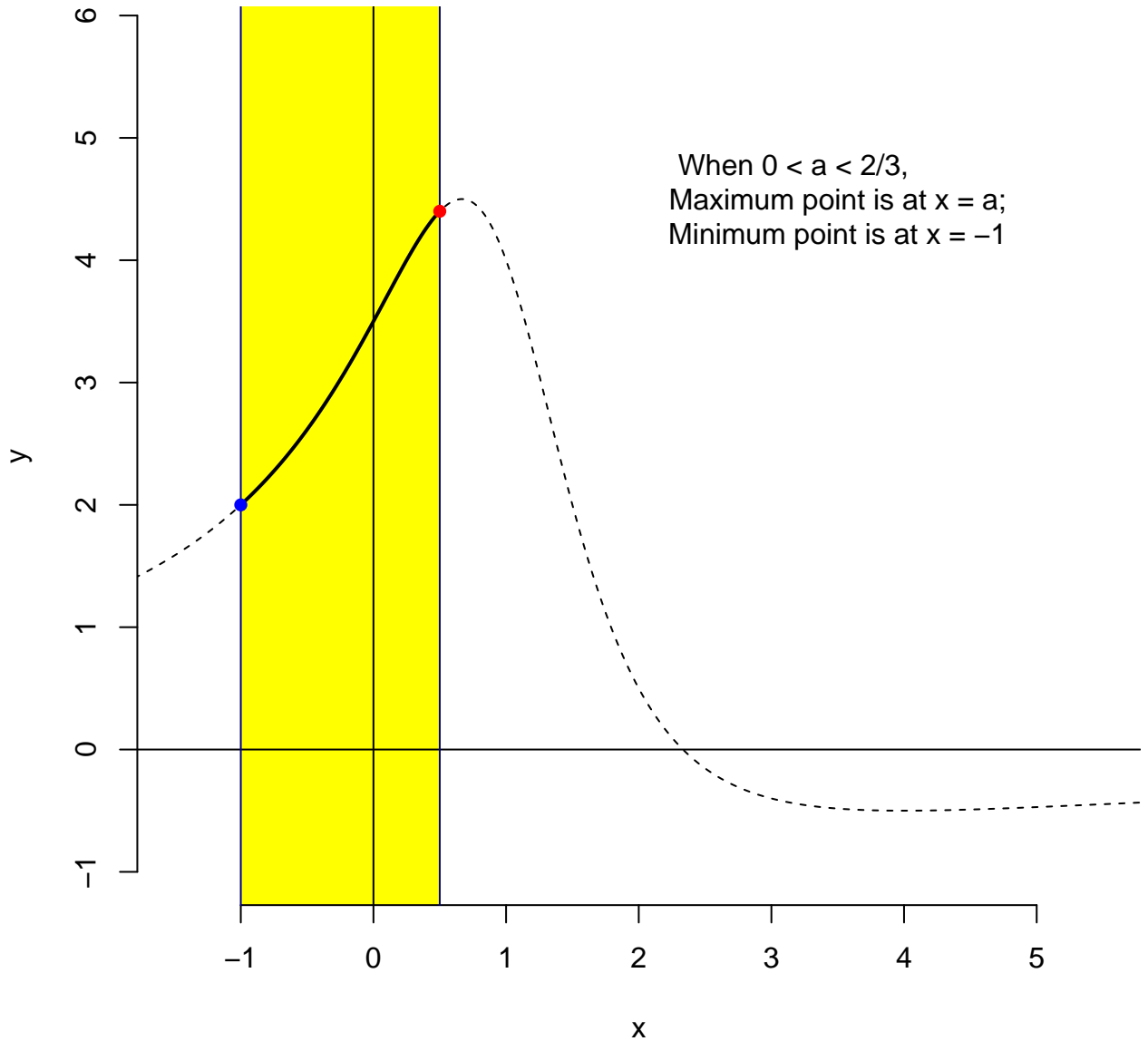
$$a = 0.48$$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



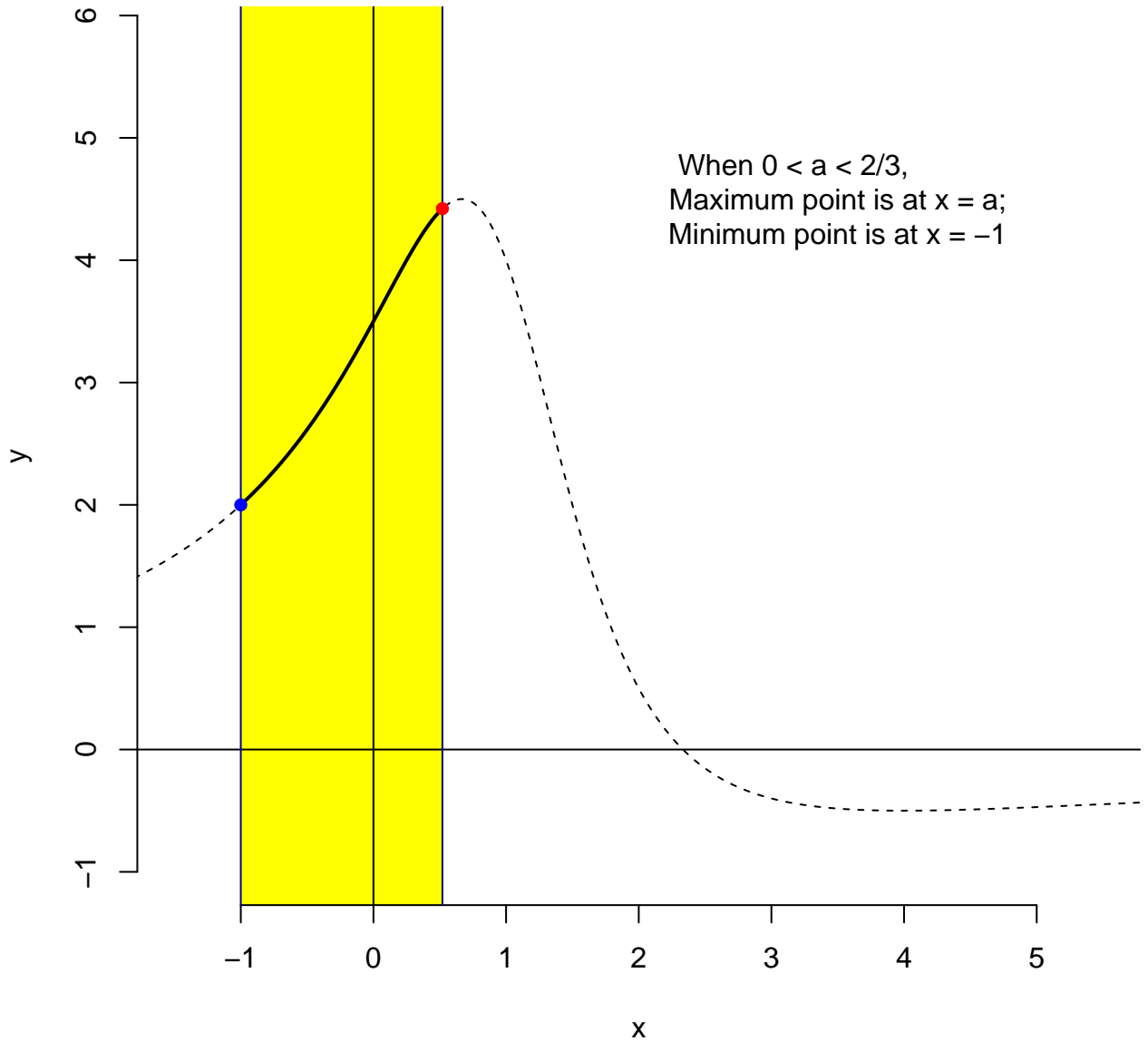
$$a = 0.5$$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



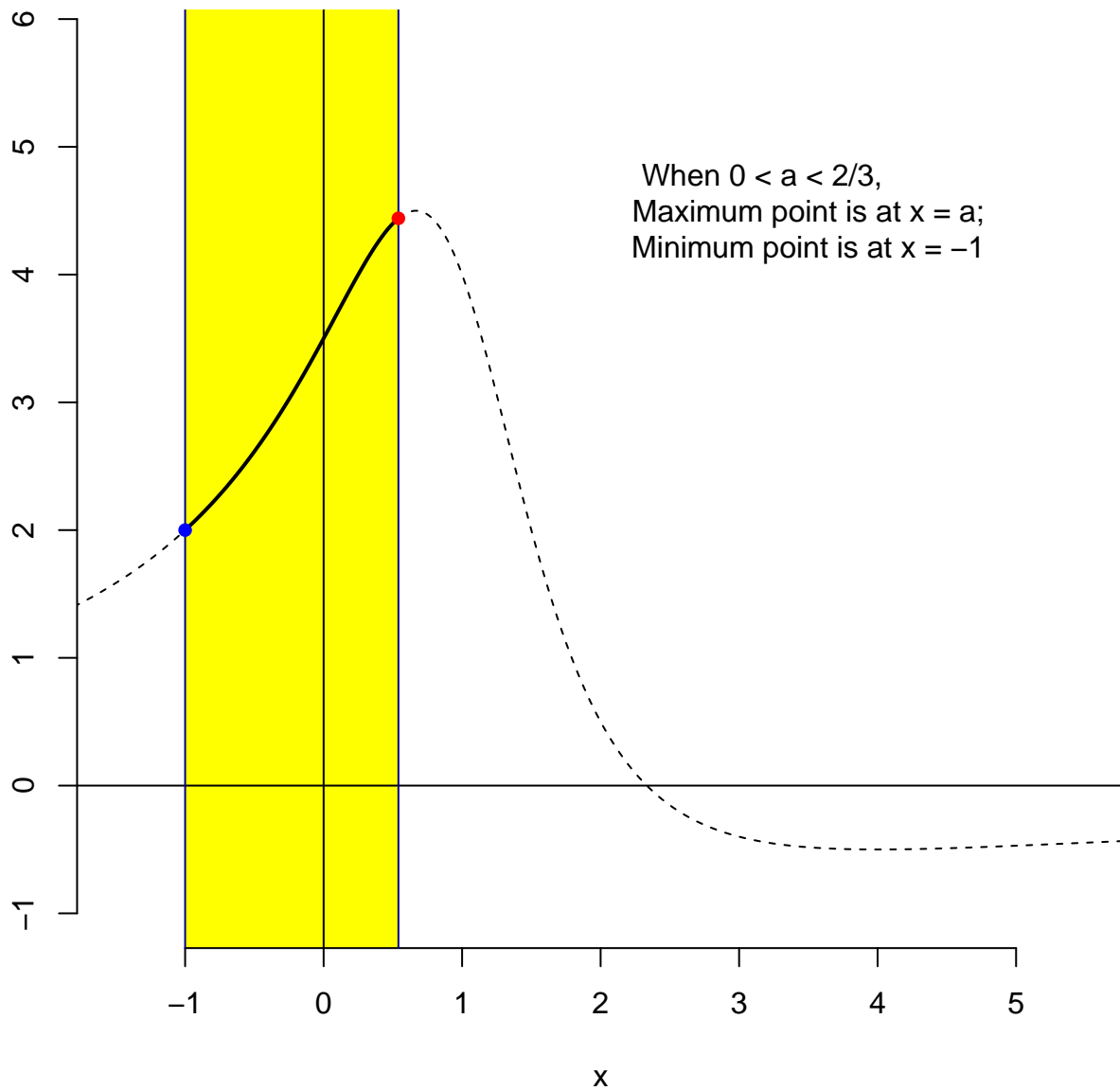
$$a = 0.52$$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



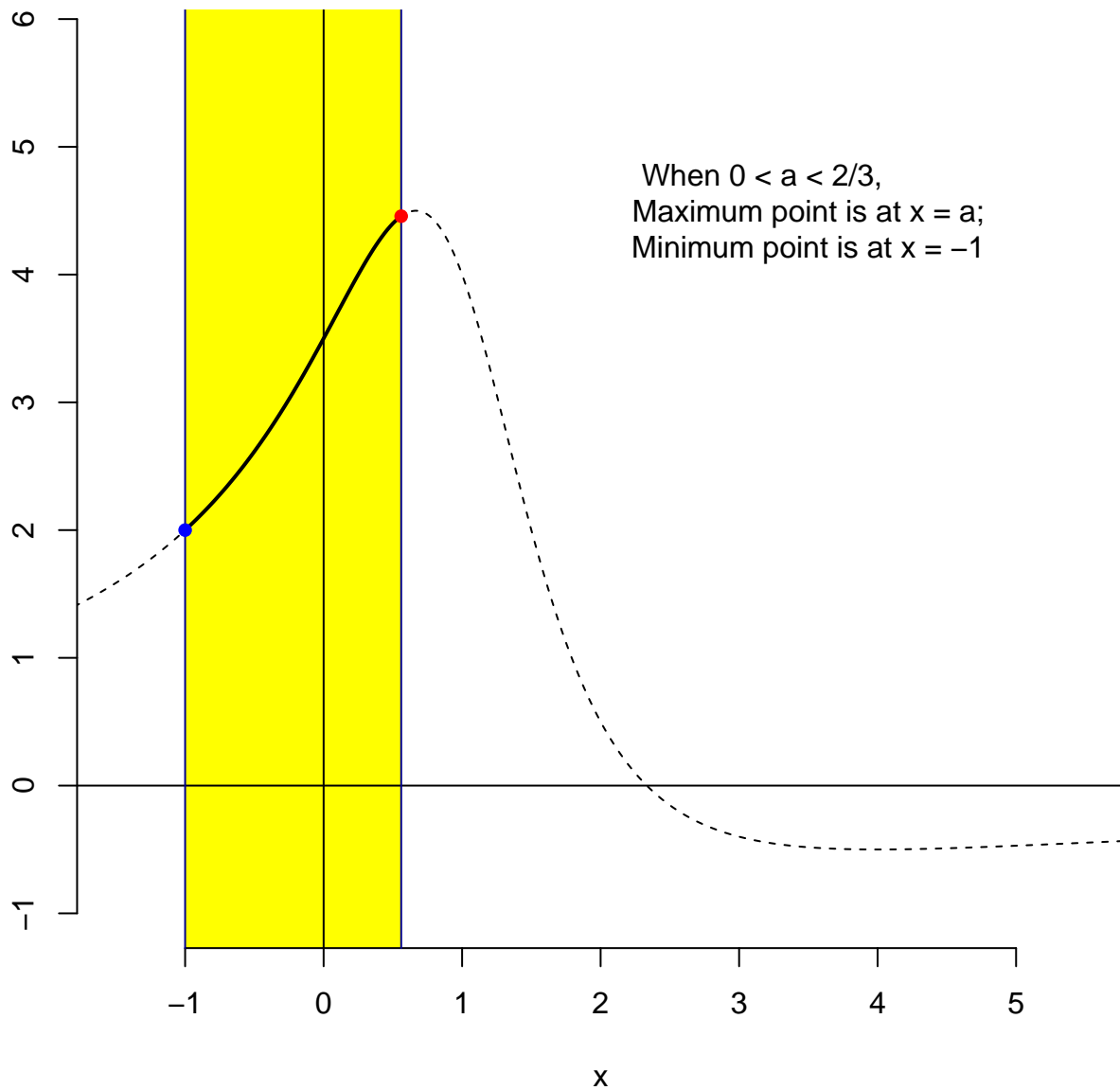
$a = 0.54$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



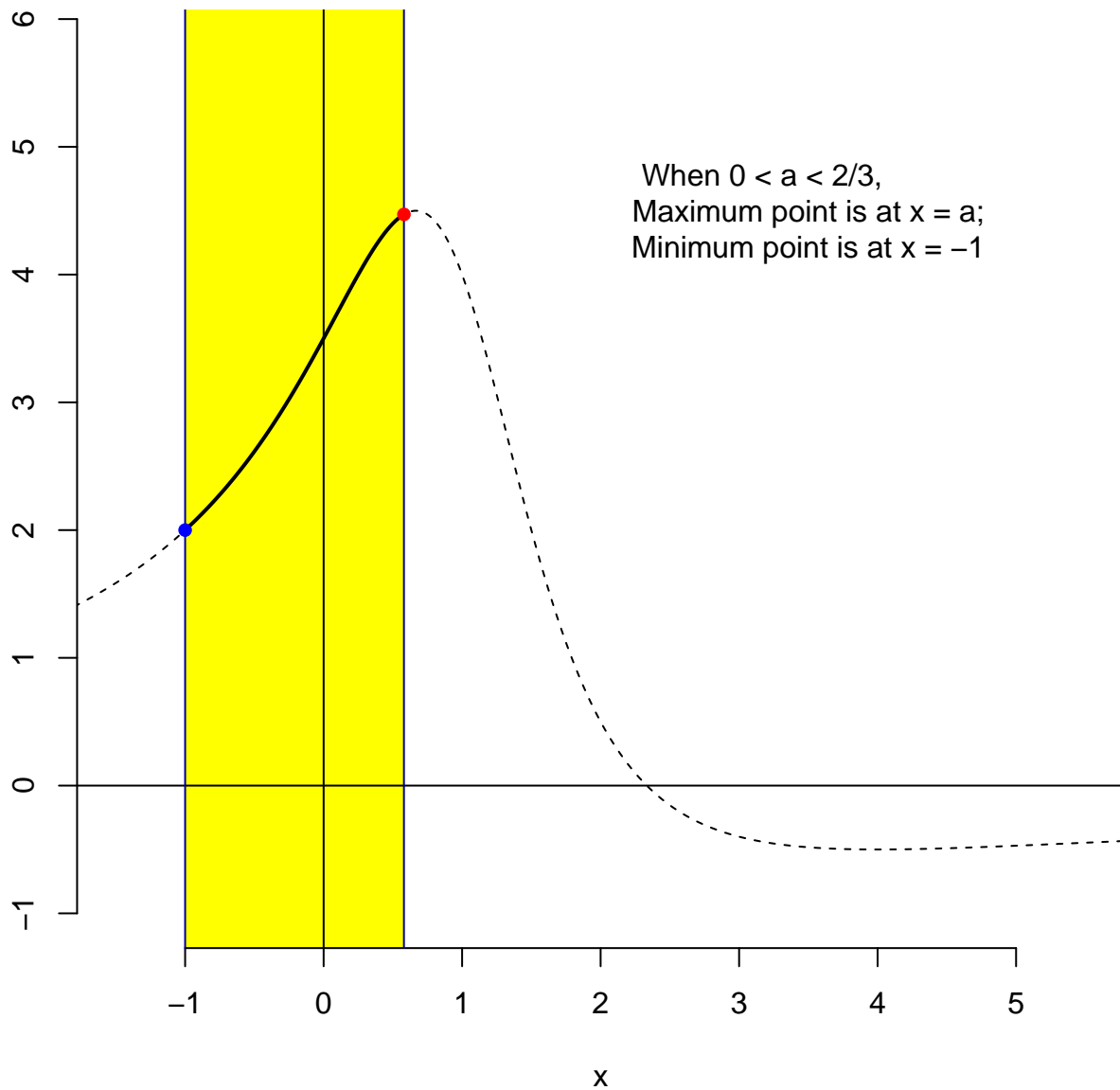
$$a = 0.56$$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



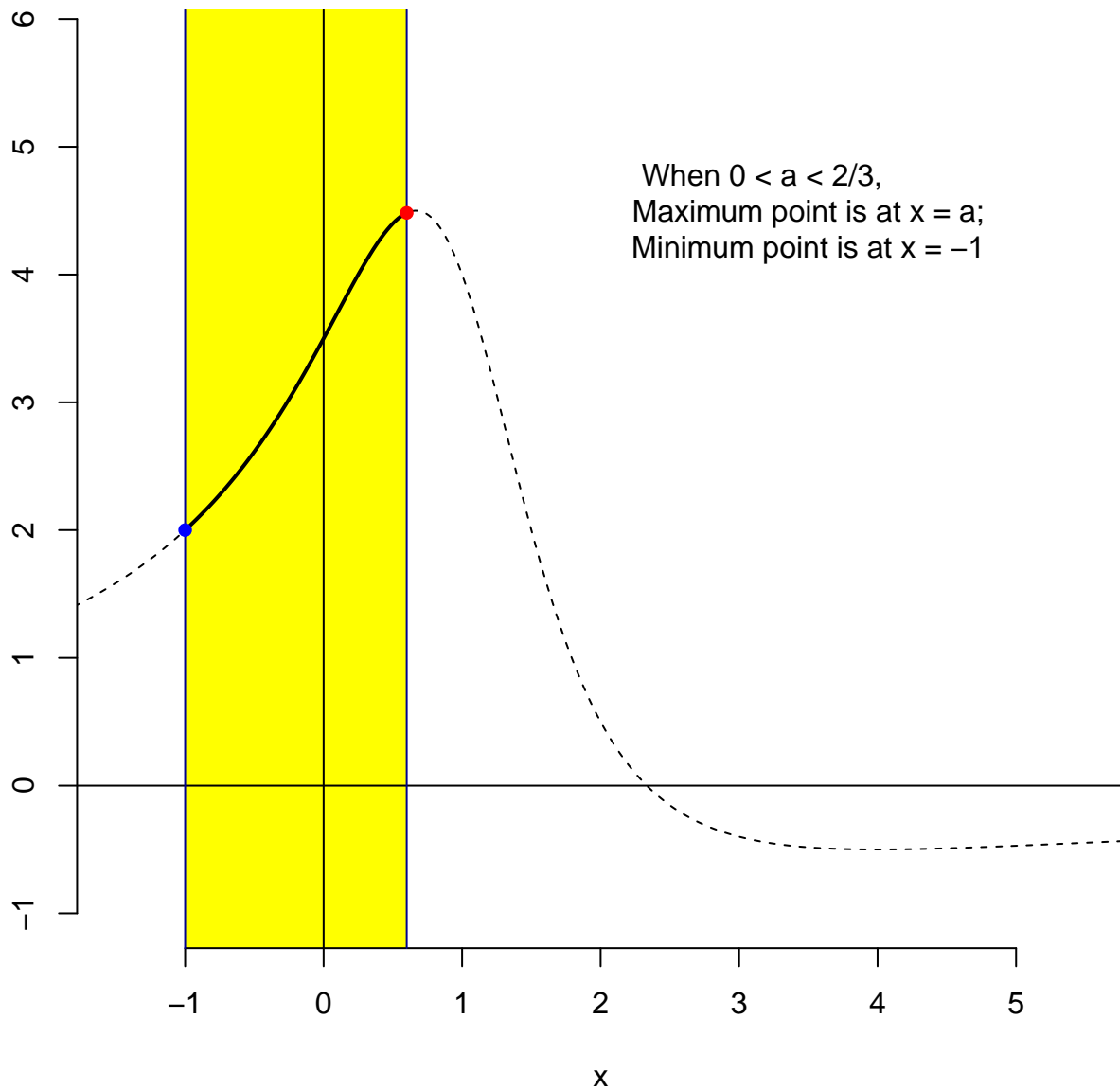
$a = 0.58$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



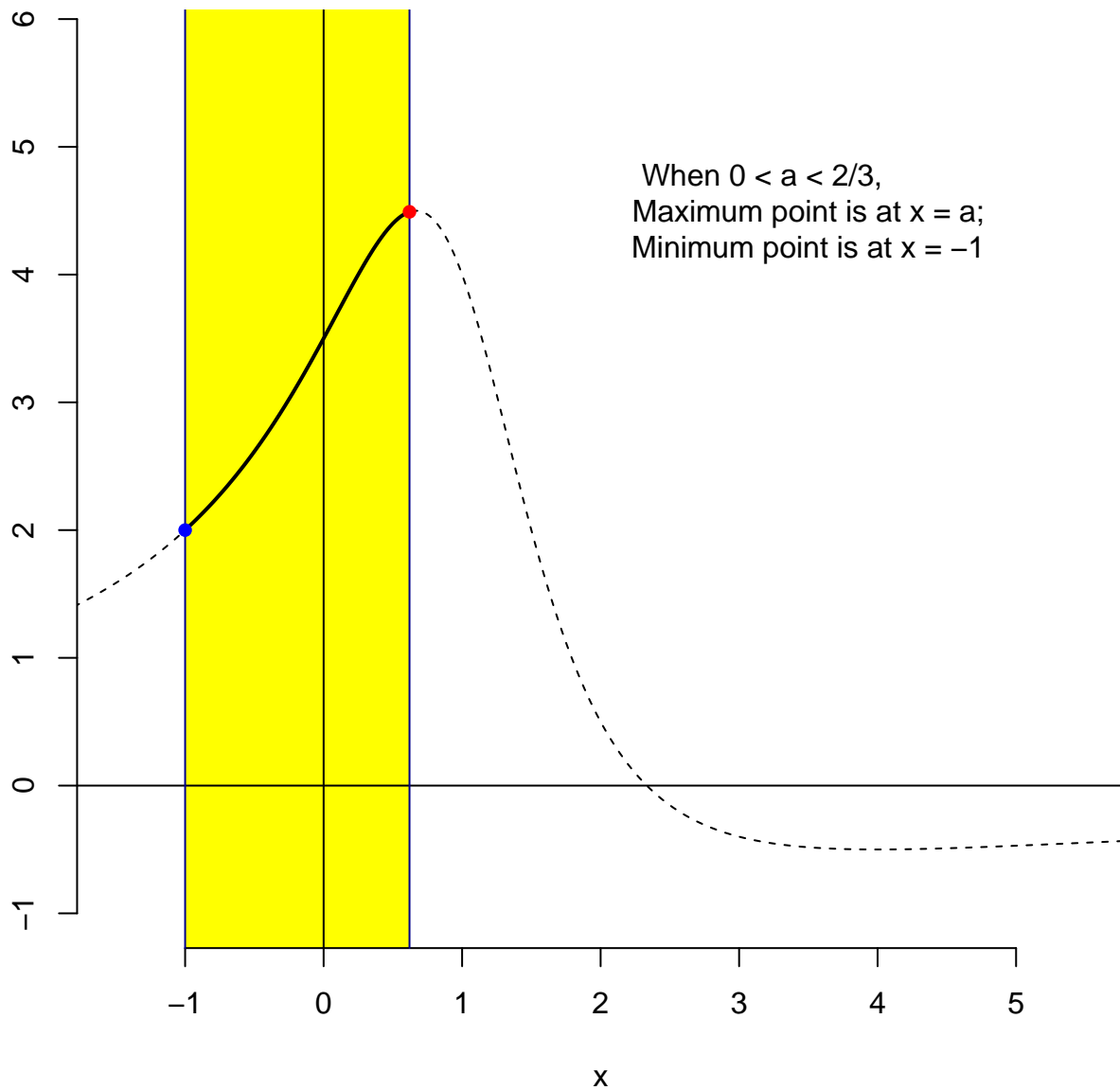
$a = 0.6$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



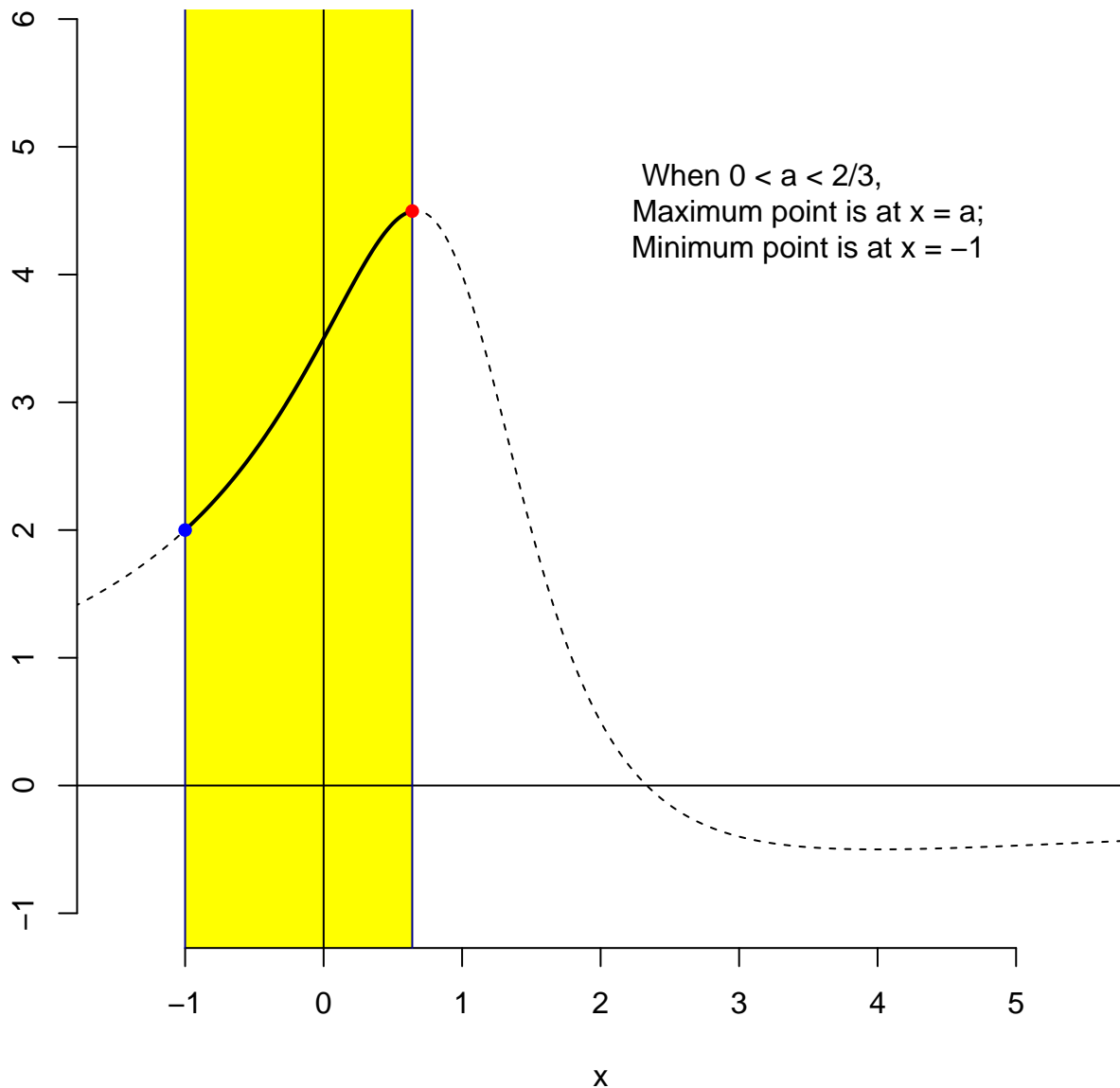
$$a = 0.62$$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



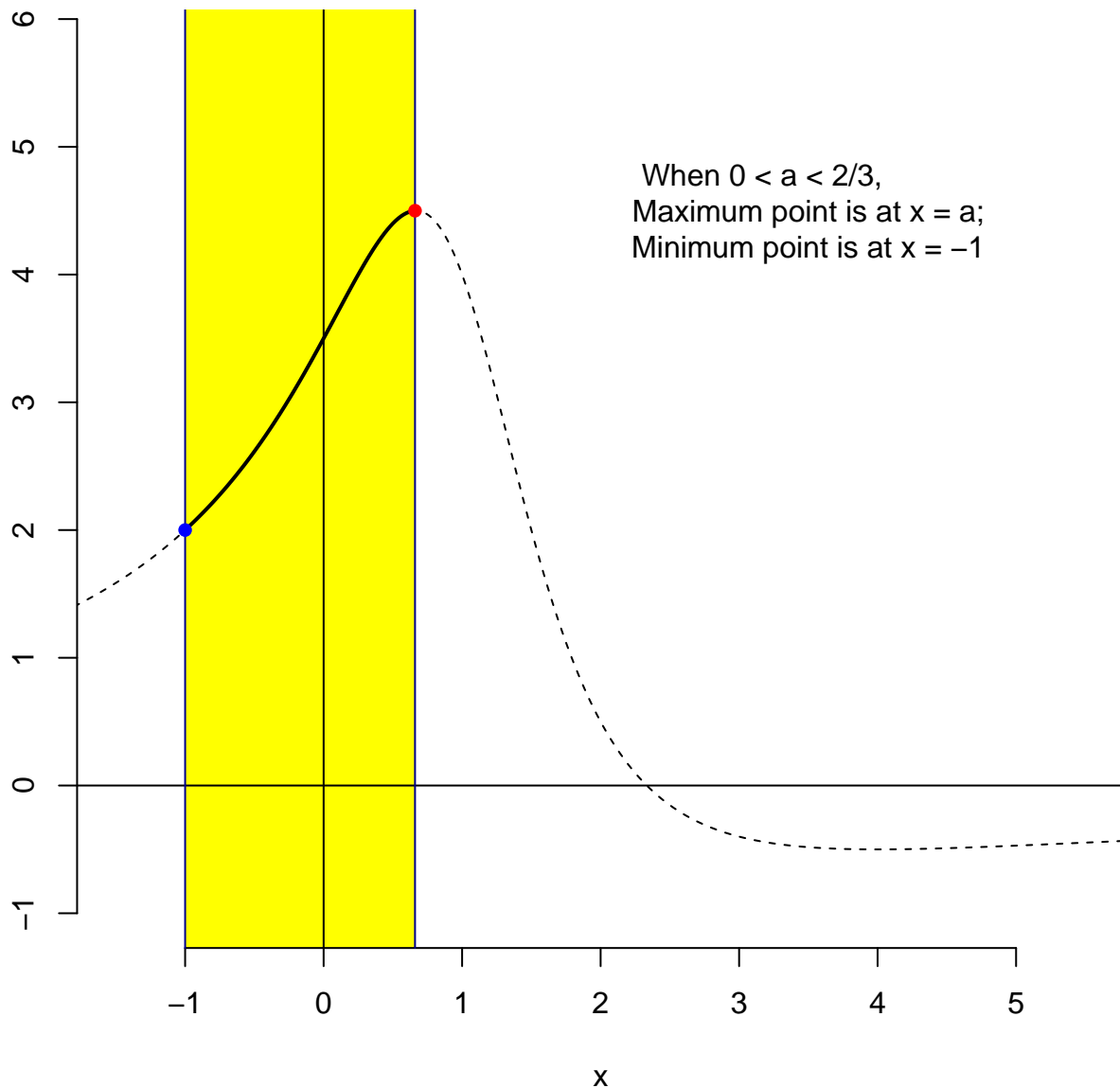
$$a = 0.64$$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



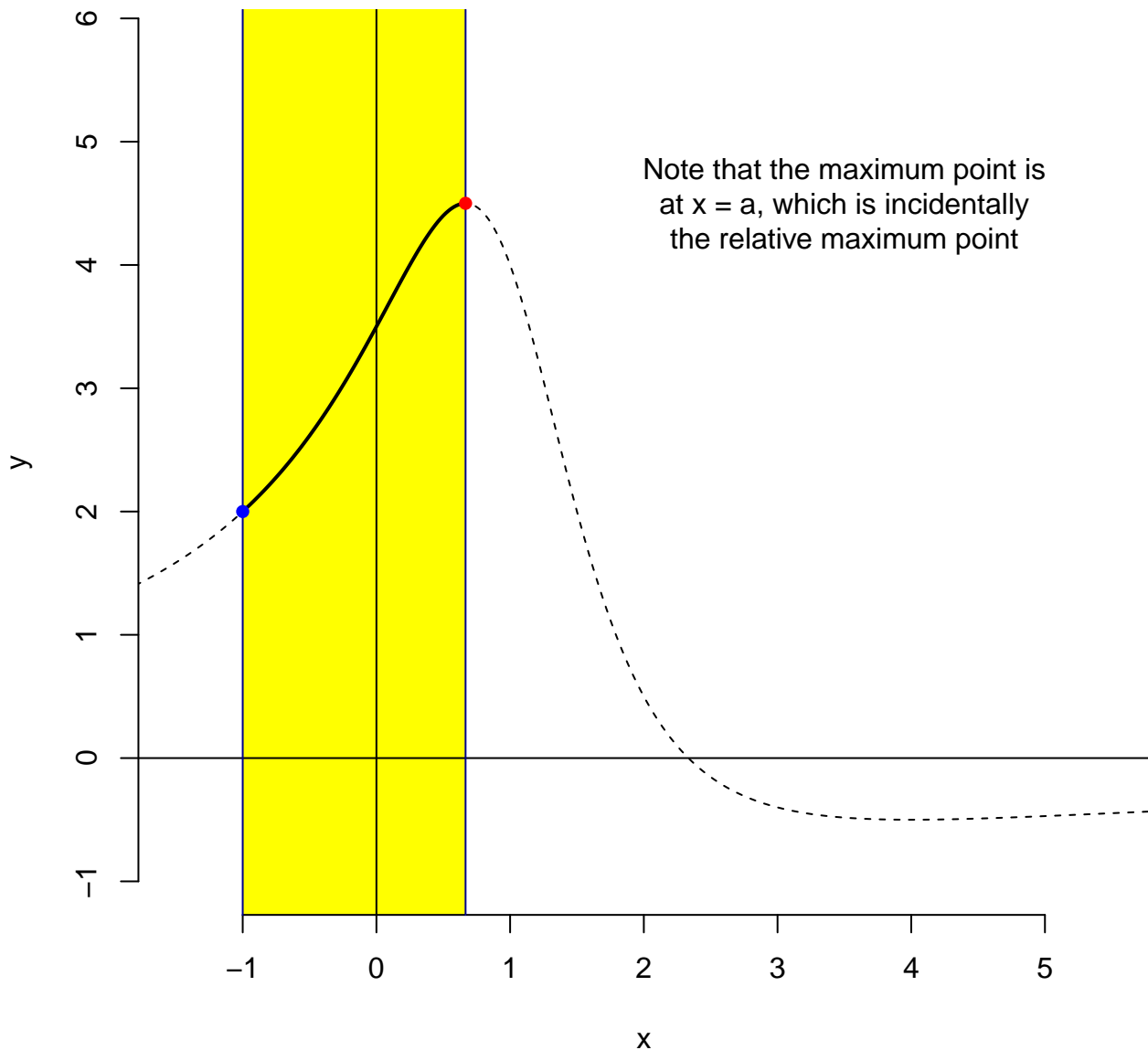
$$a = 0.66$$

When $0 < a < 2/3$,
Maximum point is at $x = a$;
Minimum point is at $x = -1$



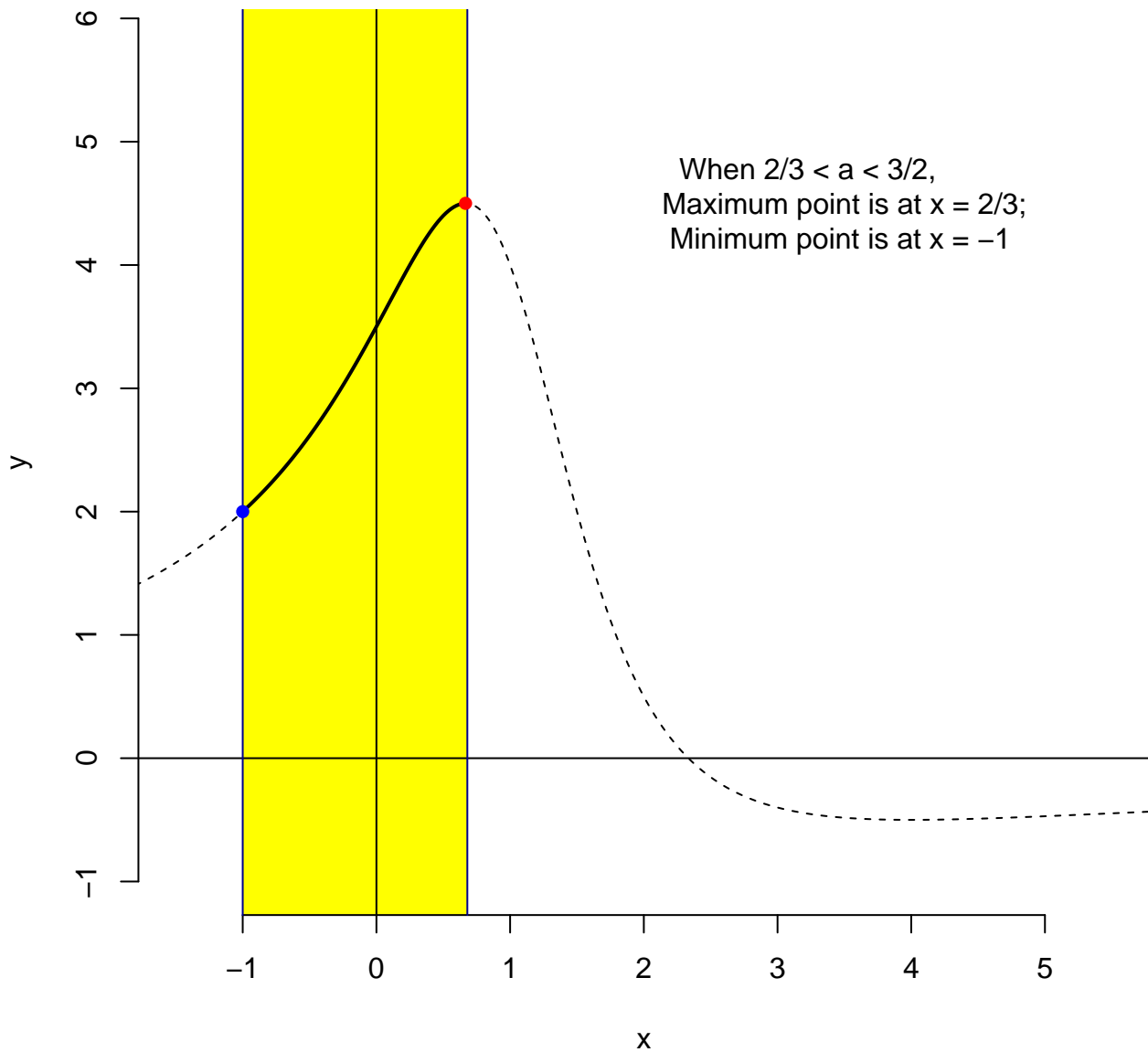
$$a = 0.667$$

Note that the maximum point is
at $x = a$, which is incidentally
the relative maximum point



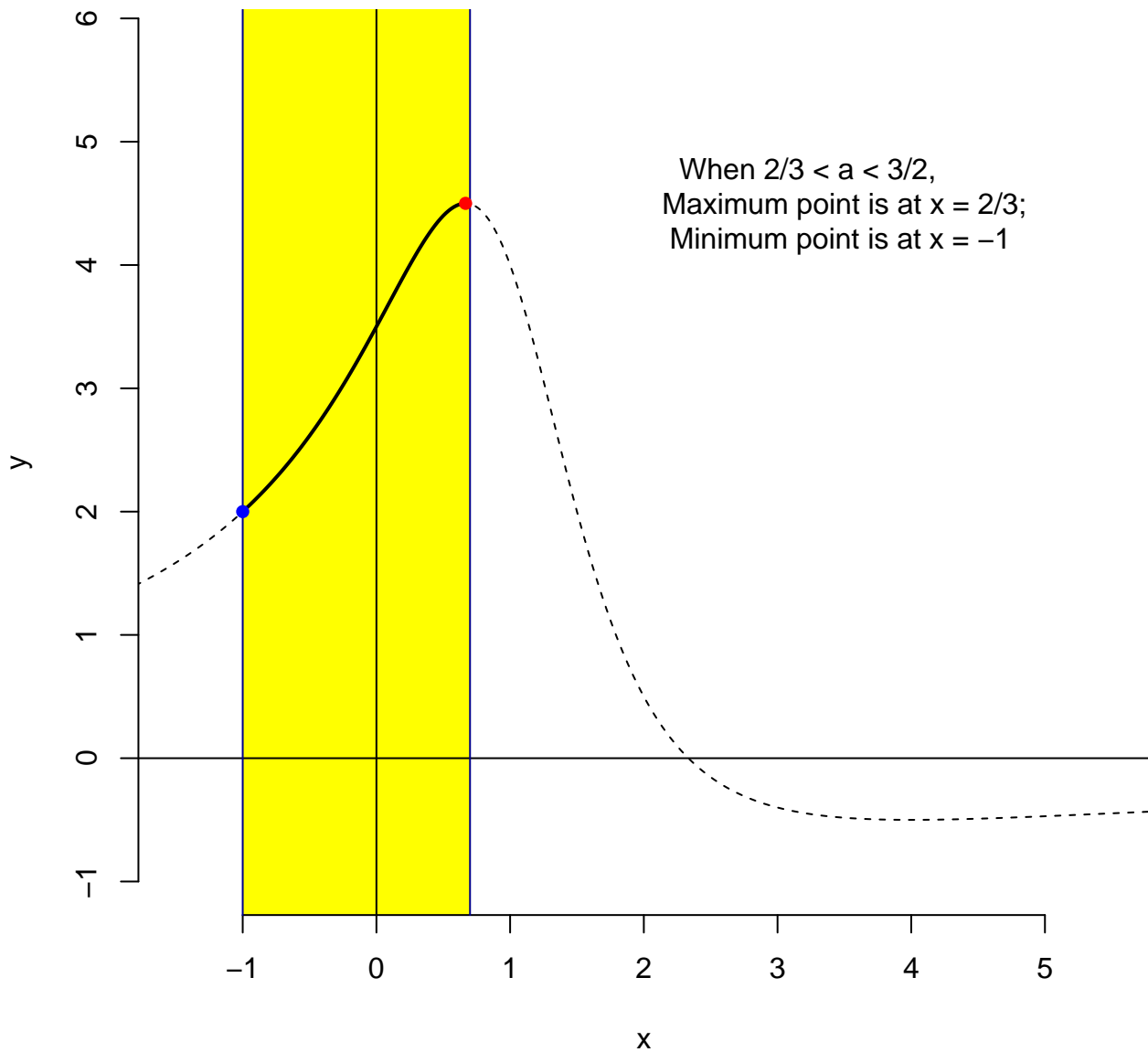
$a = 0.68$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



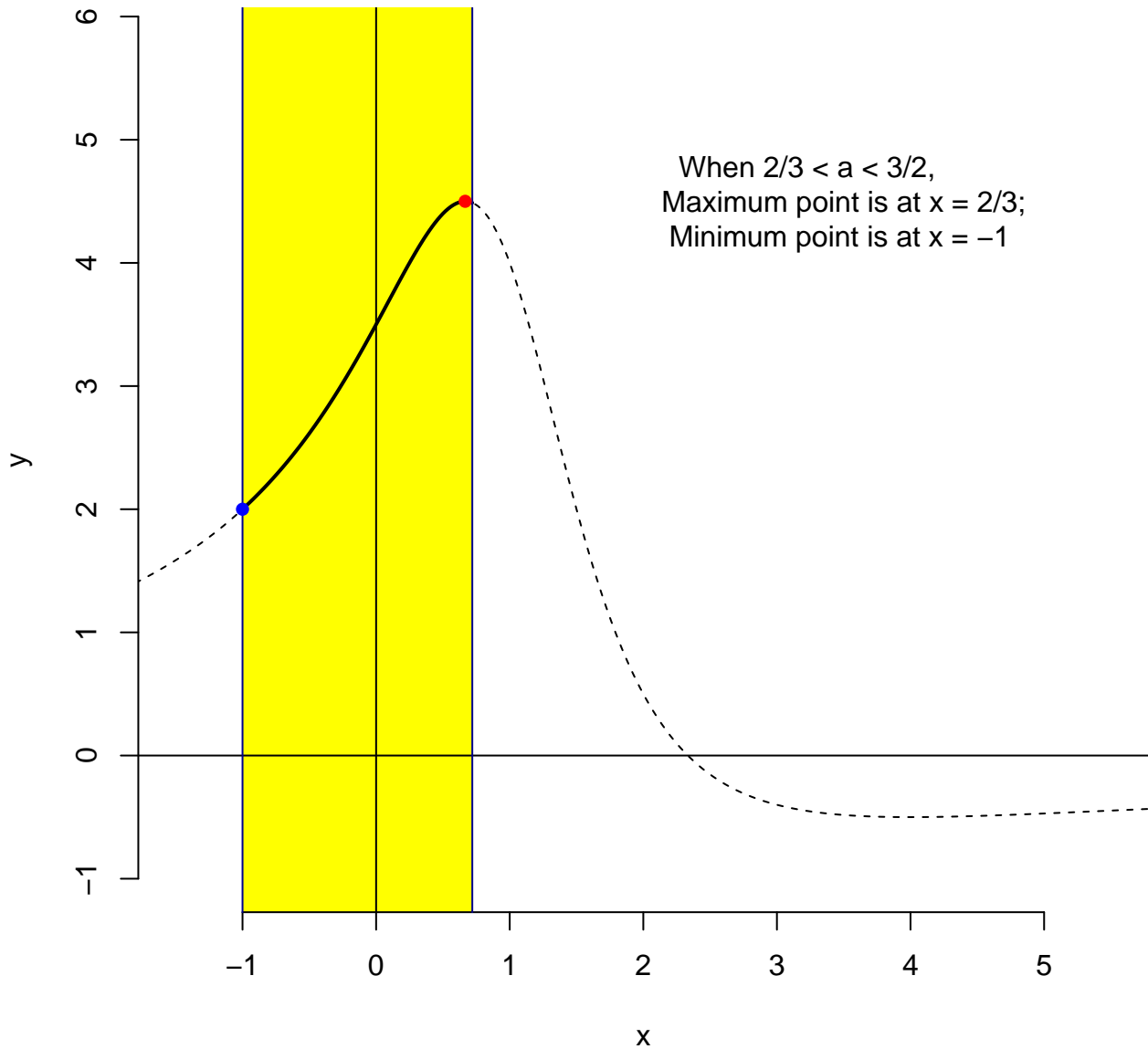
$a = 0.7$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



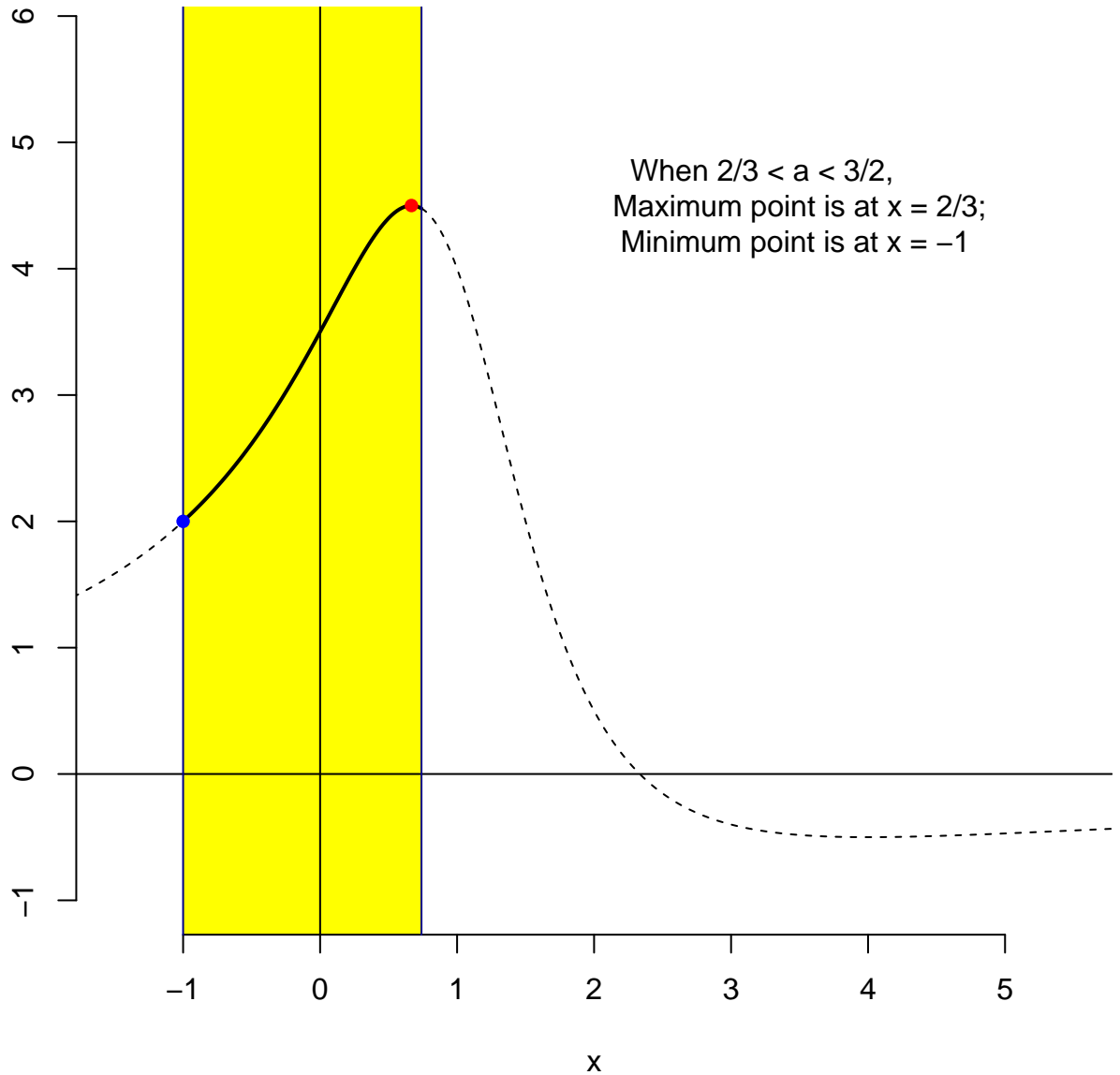
$a = 0.72$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



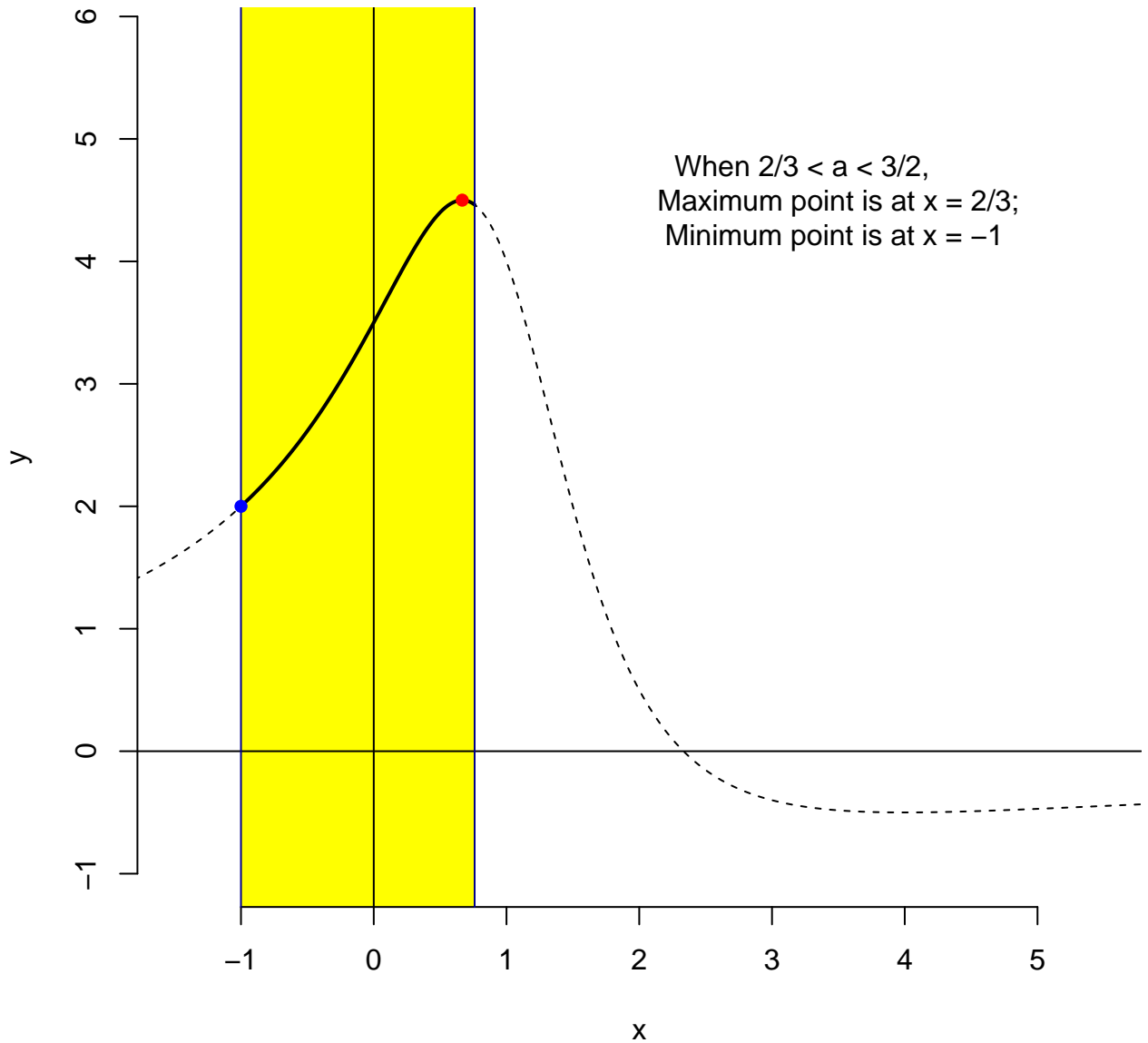
$a = 0.74$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



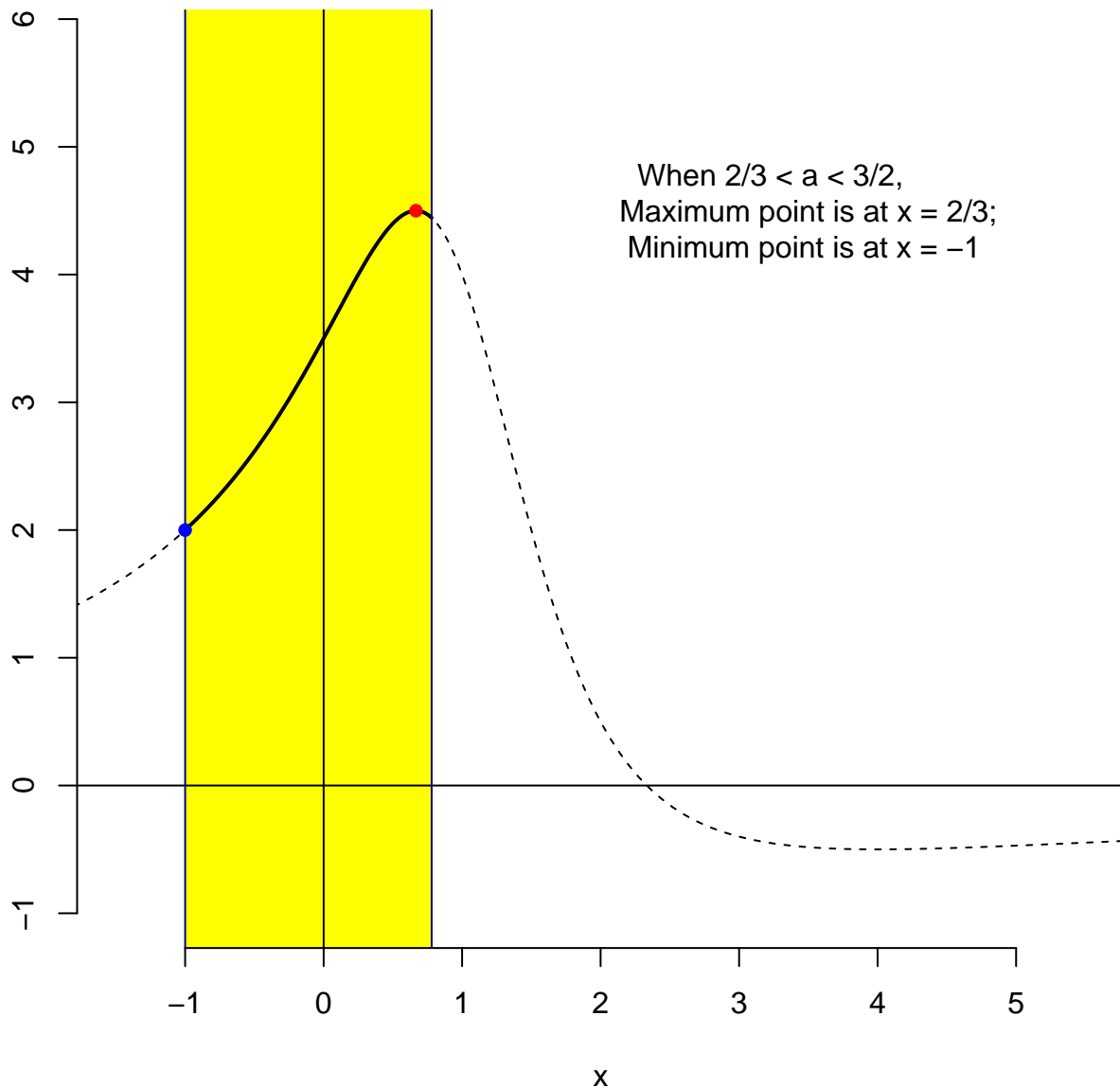
$$a = 0.76$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



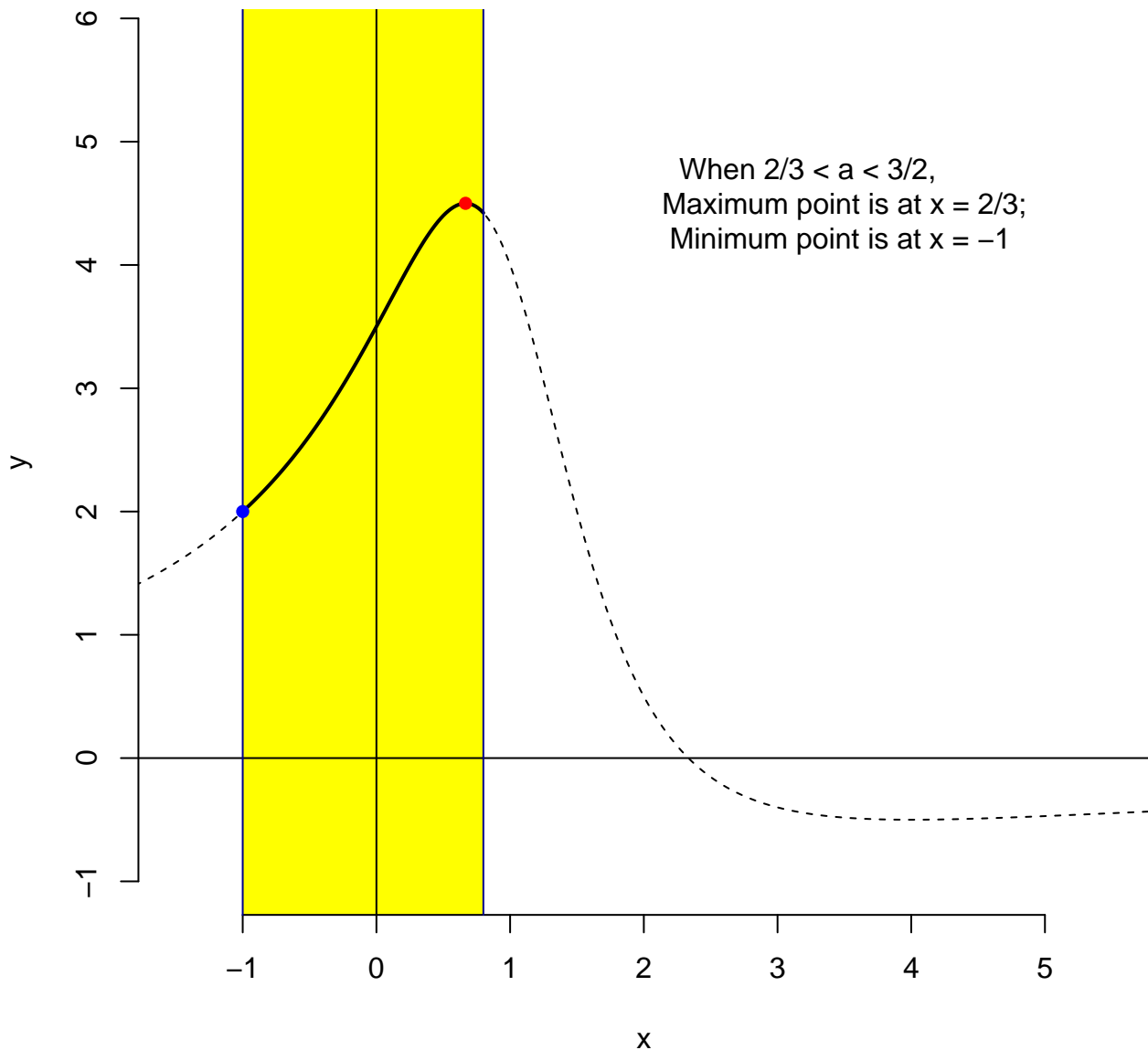
$a = 0.78$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



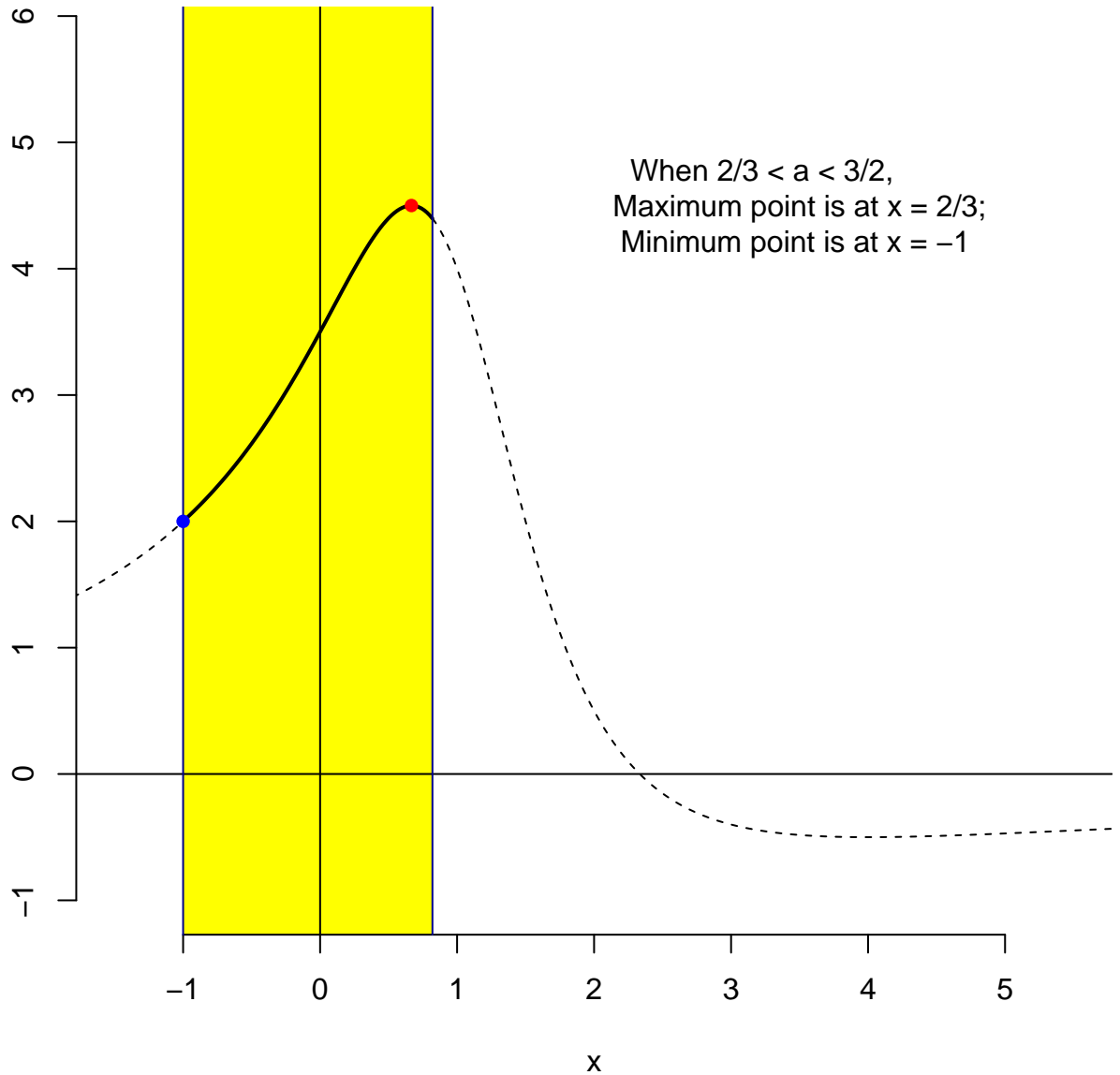
$a = 0.8$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



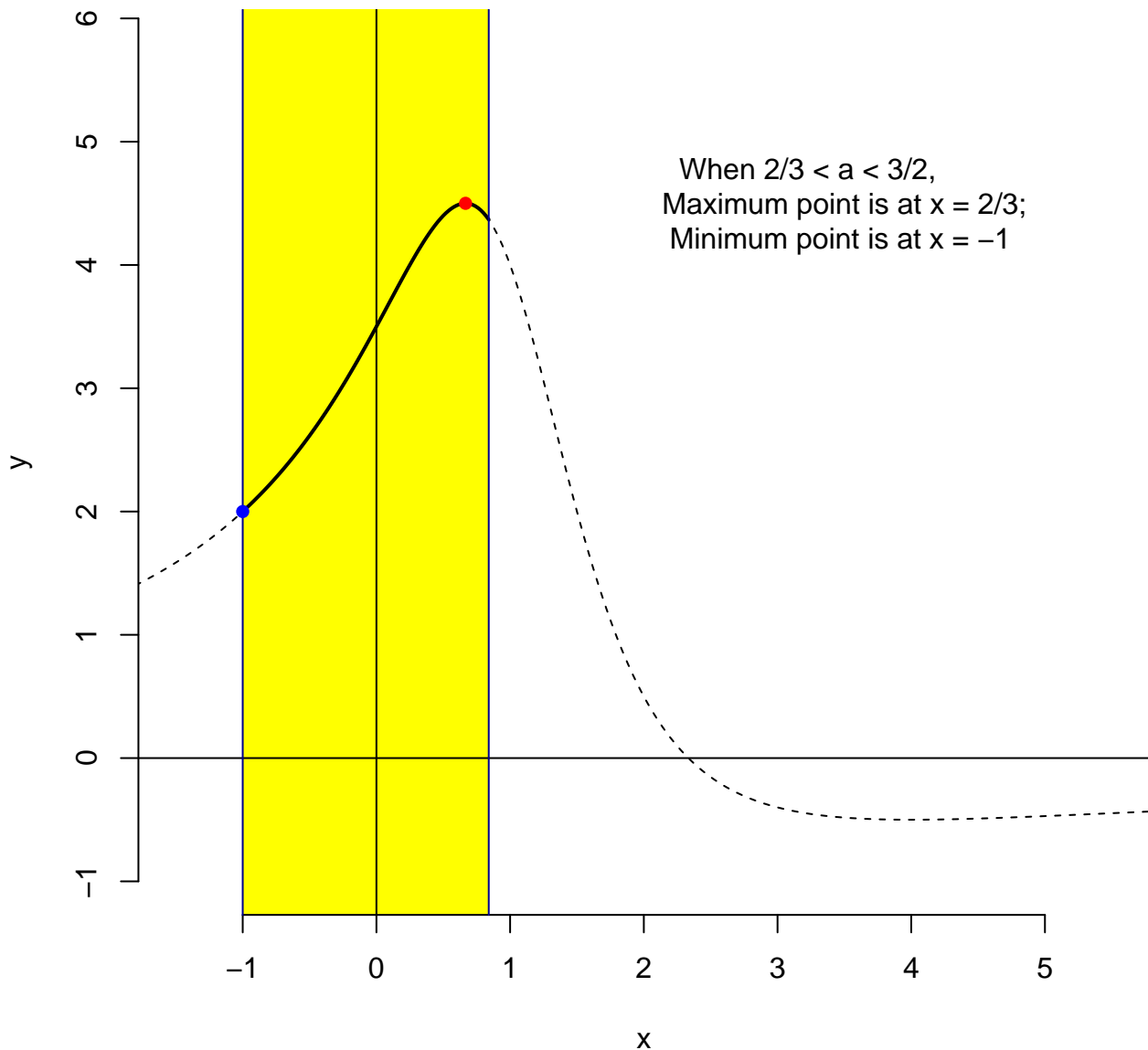
$a = 0.82$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



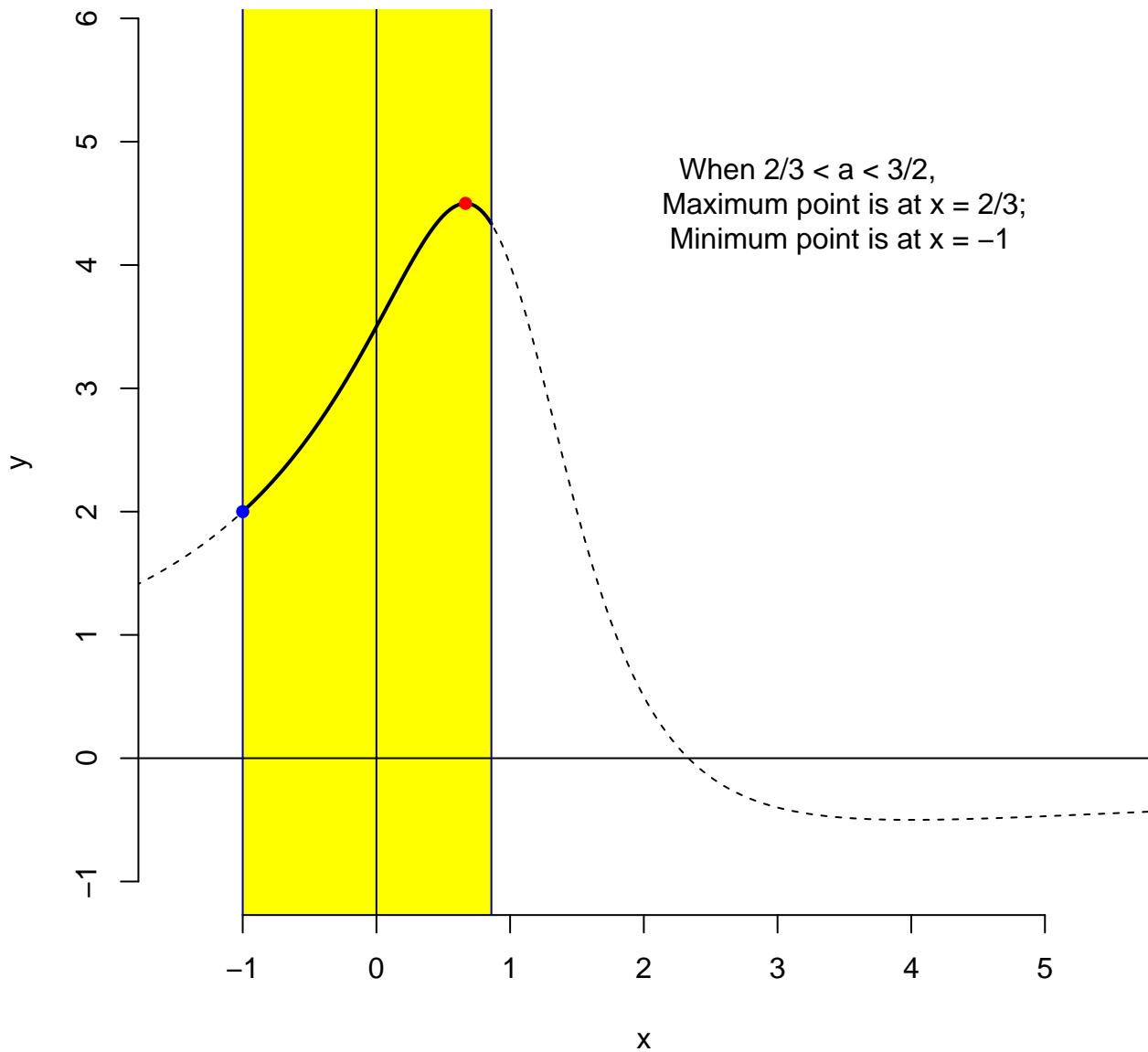
$a = 0.84$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



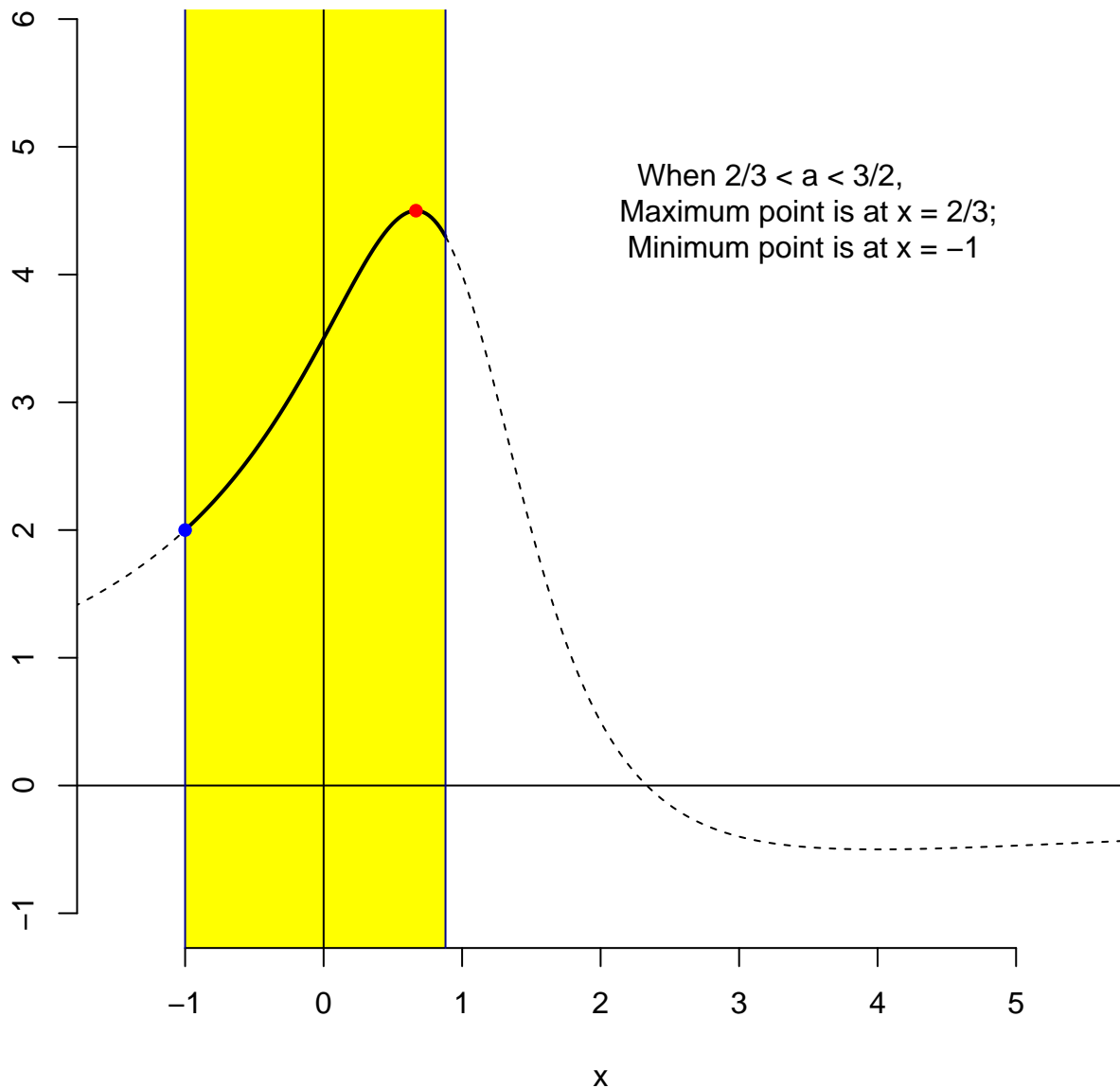
$a = 0.86$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



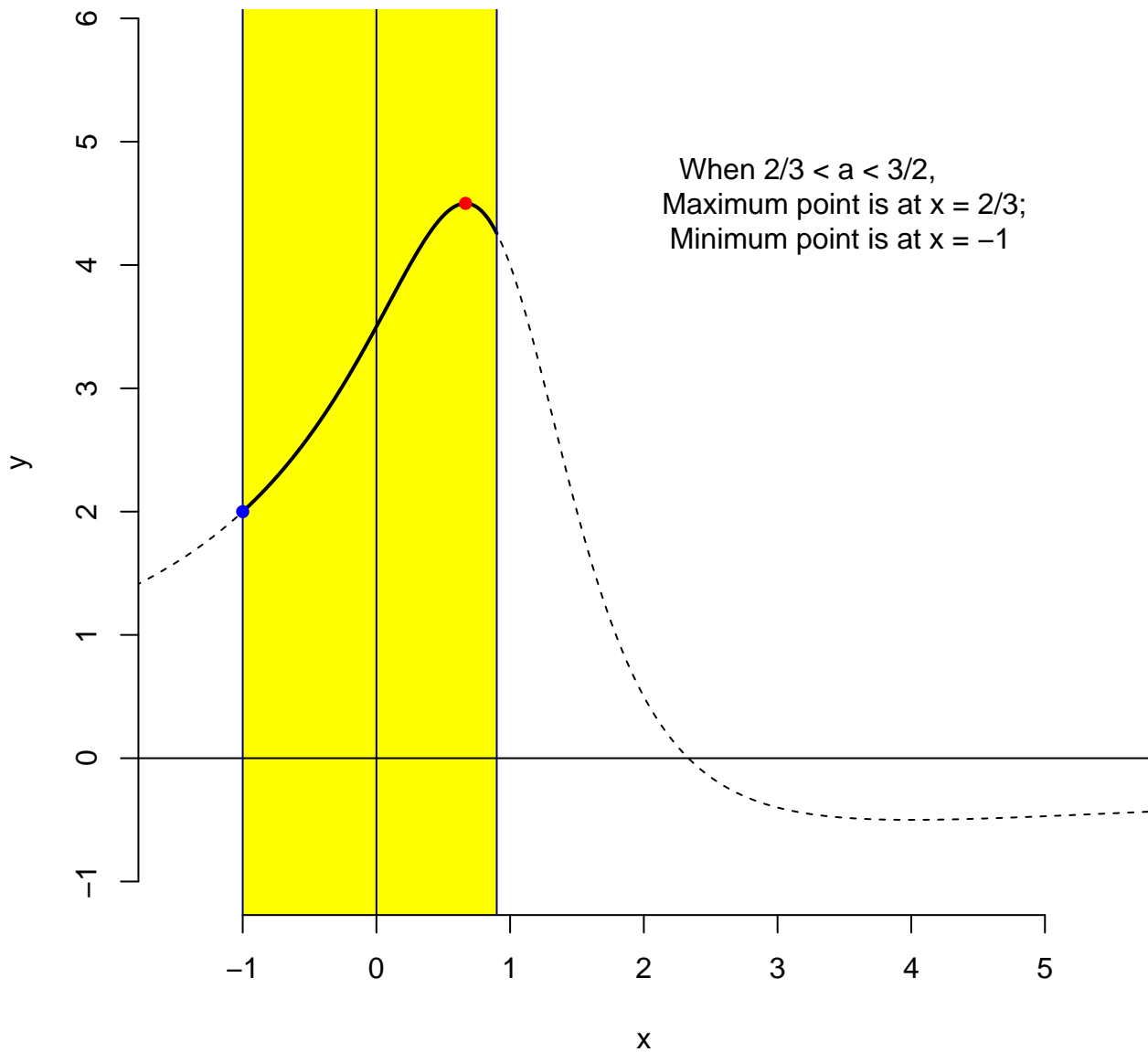
$a = 0.88$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



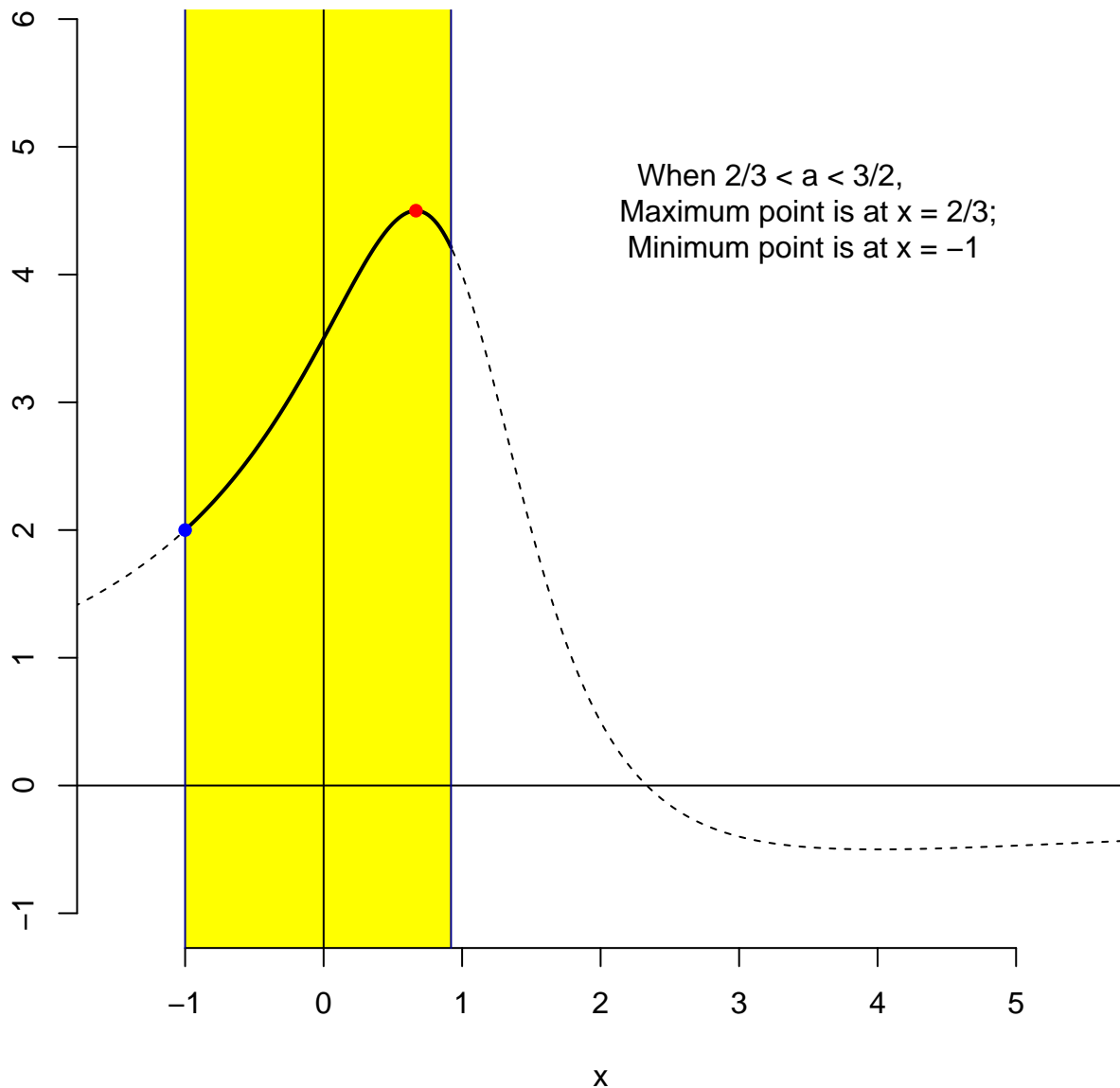
$a = 0.9$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



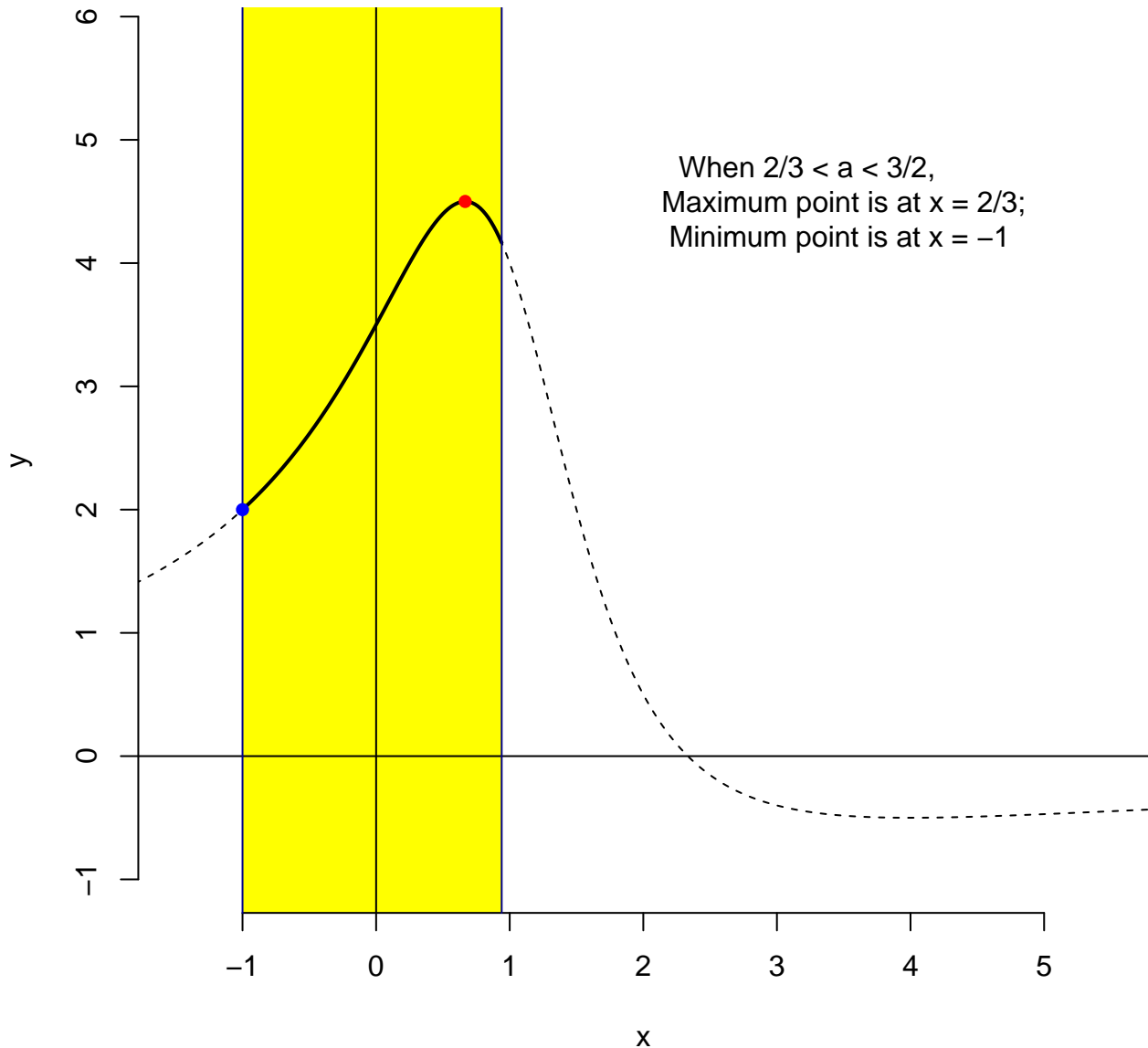
$a = 0.92$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



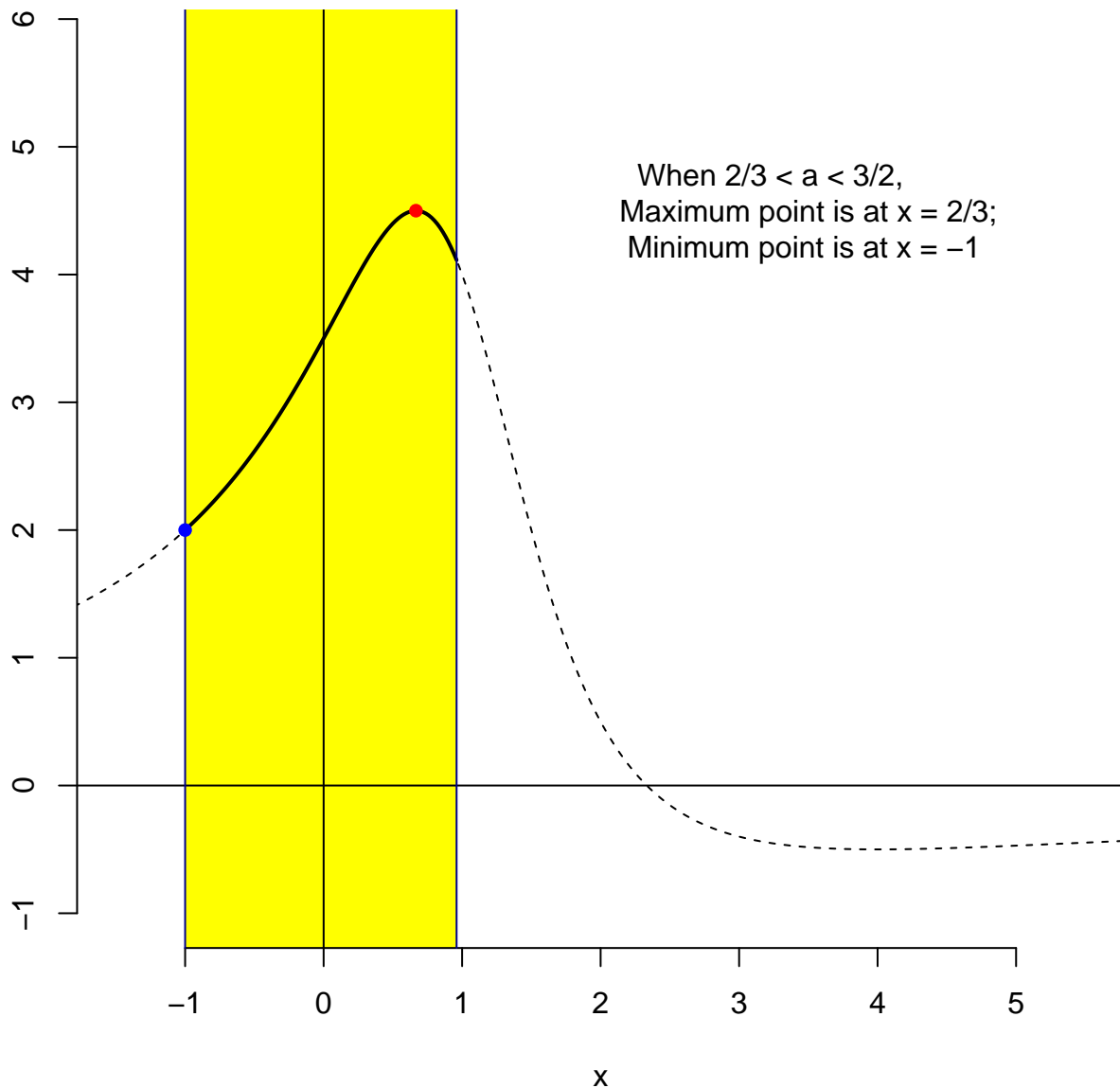
$a = 0.94$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



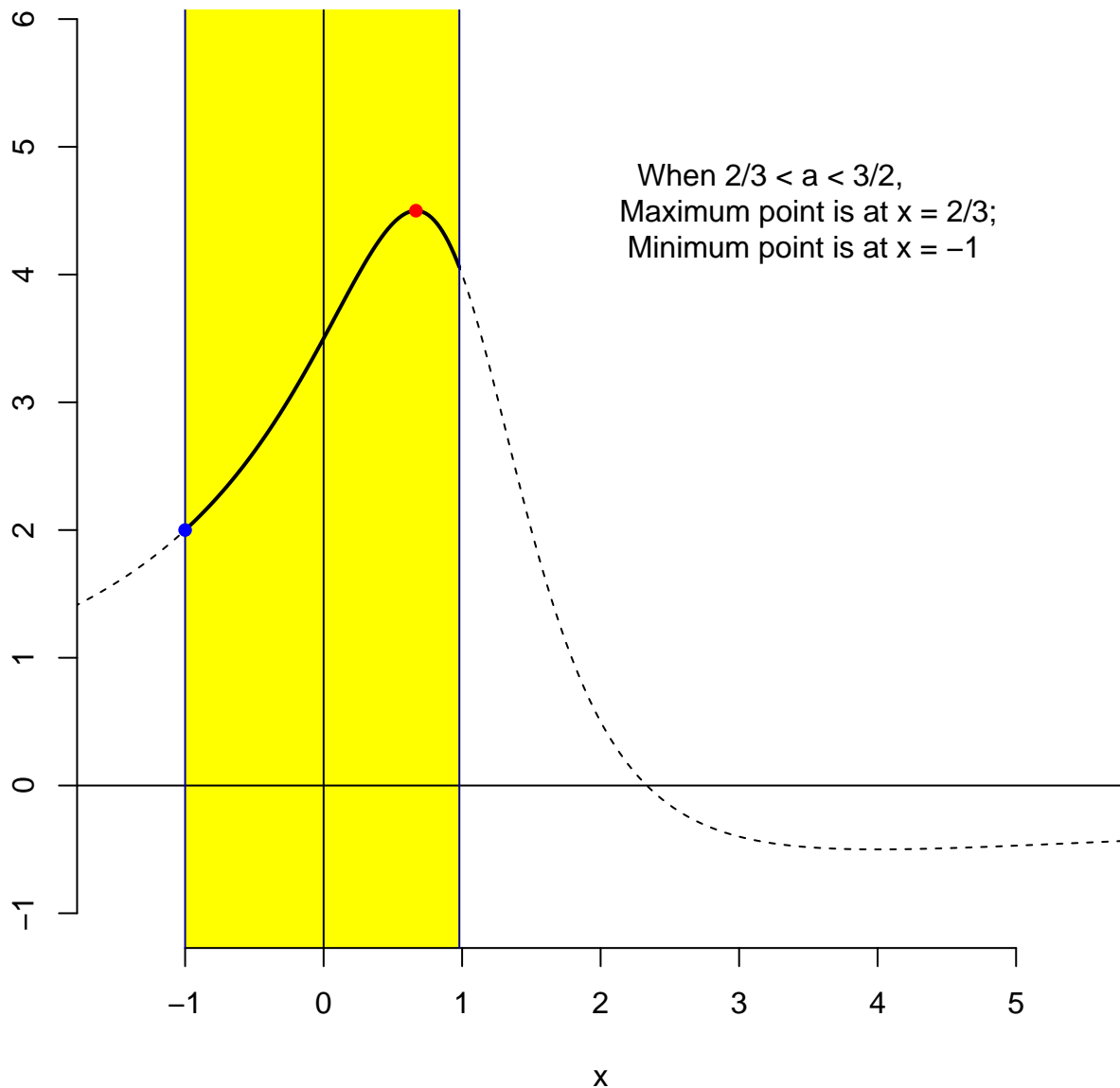
$a = 0.96$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



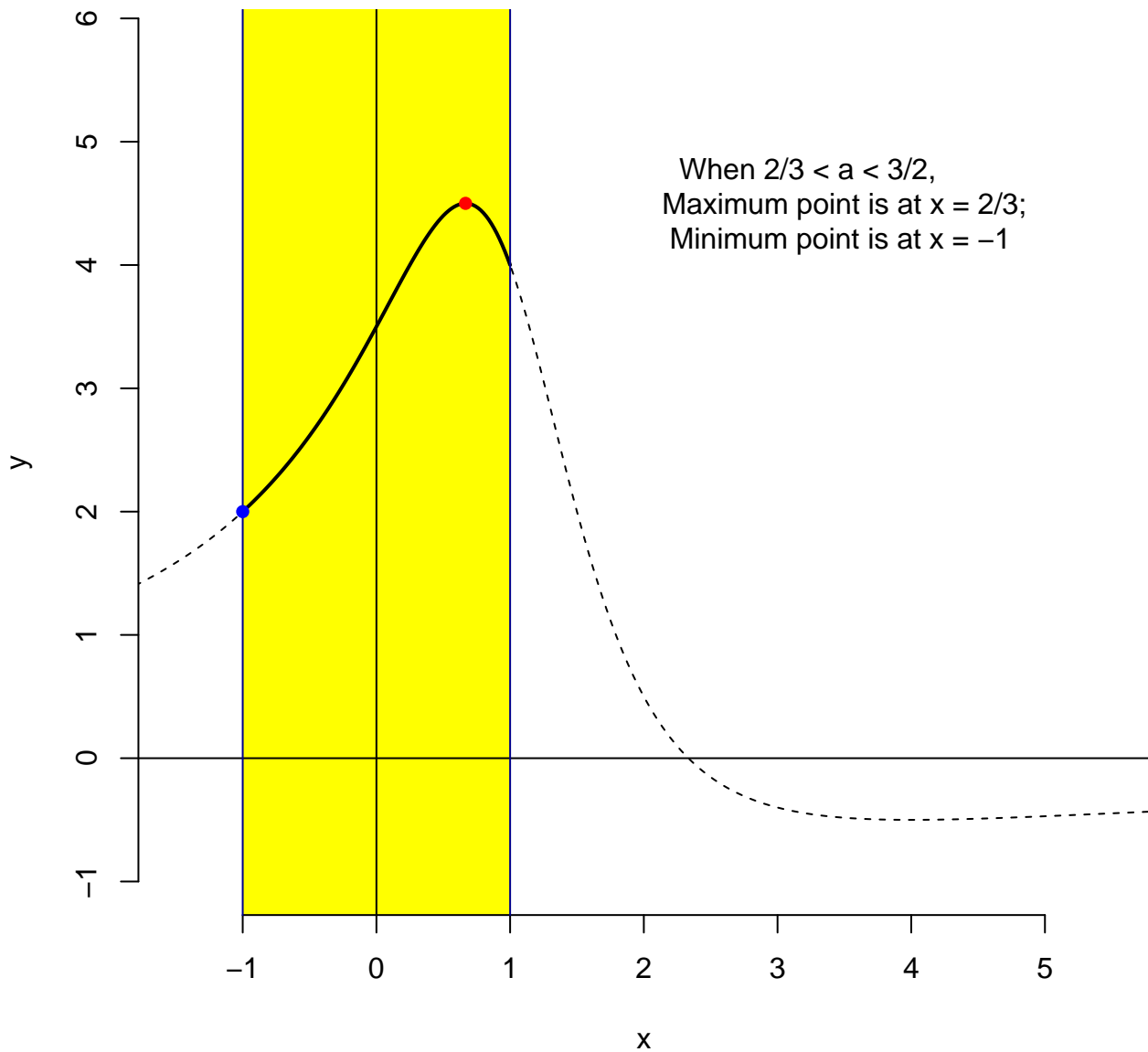
$a = 0.98$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



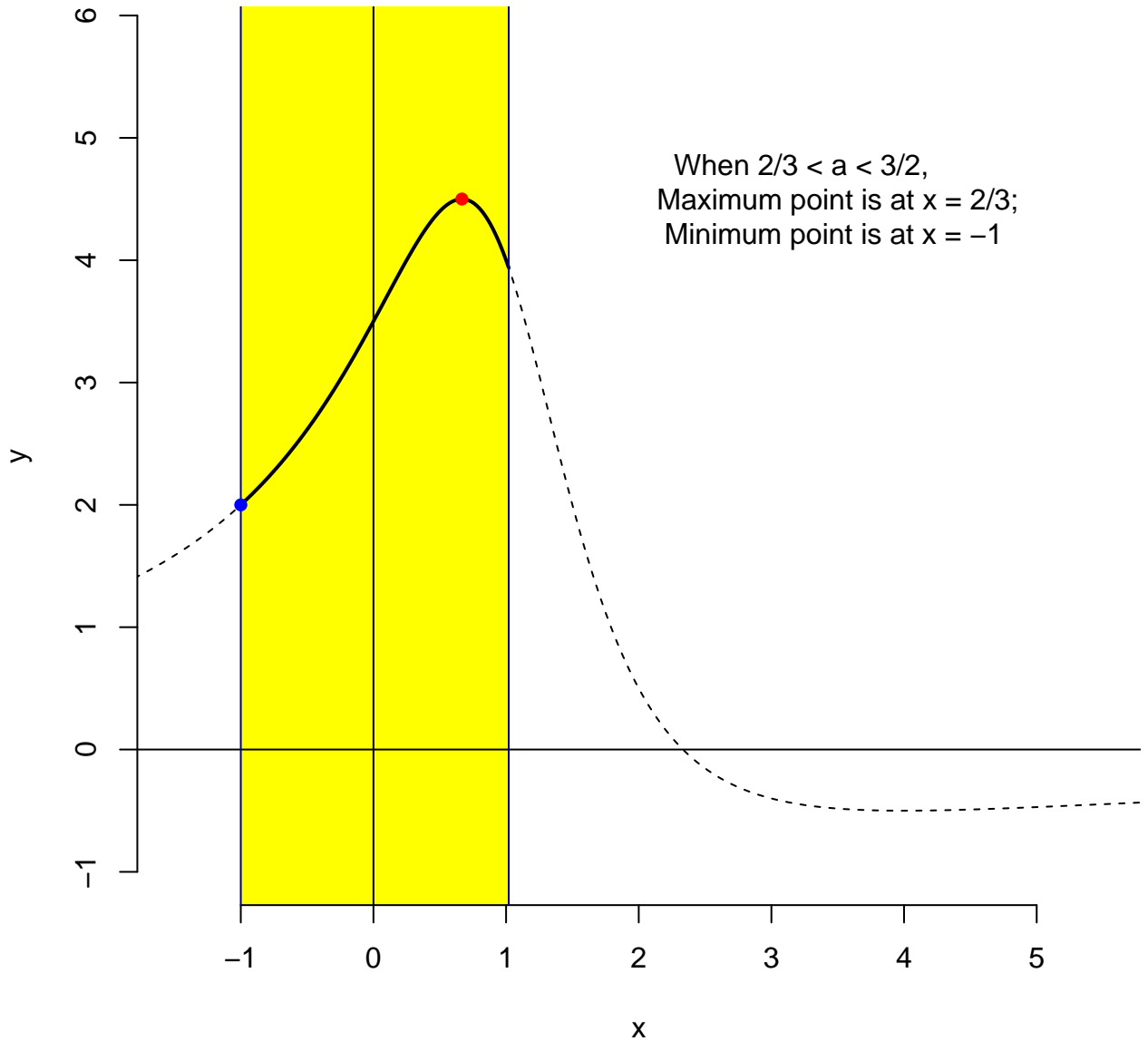
$$a = 1$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



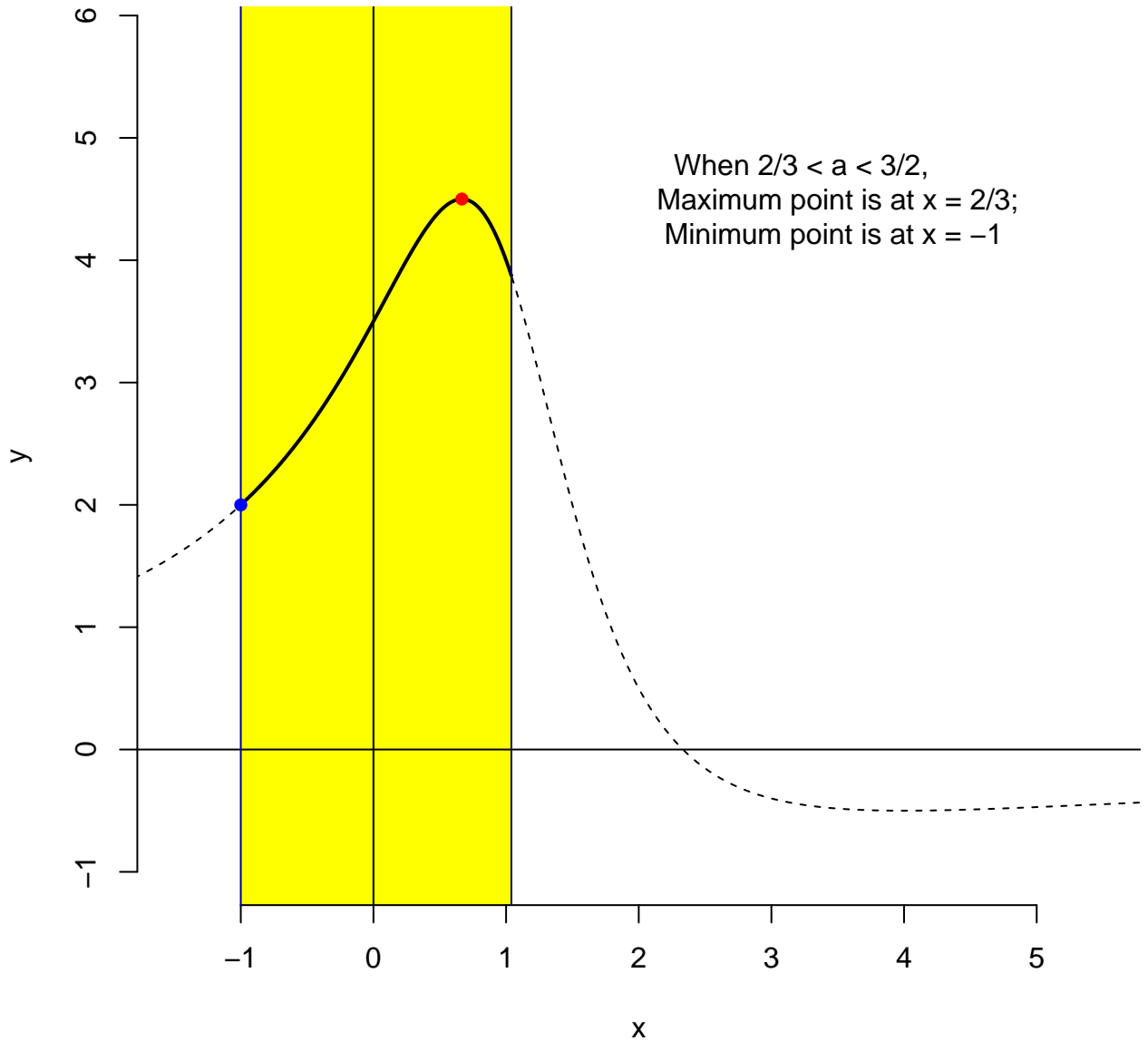
$a = 1.02$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



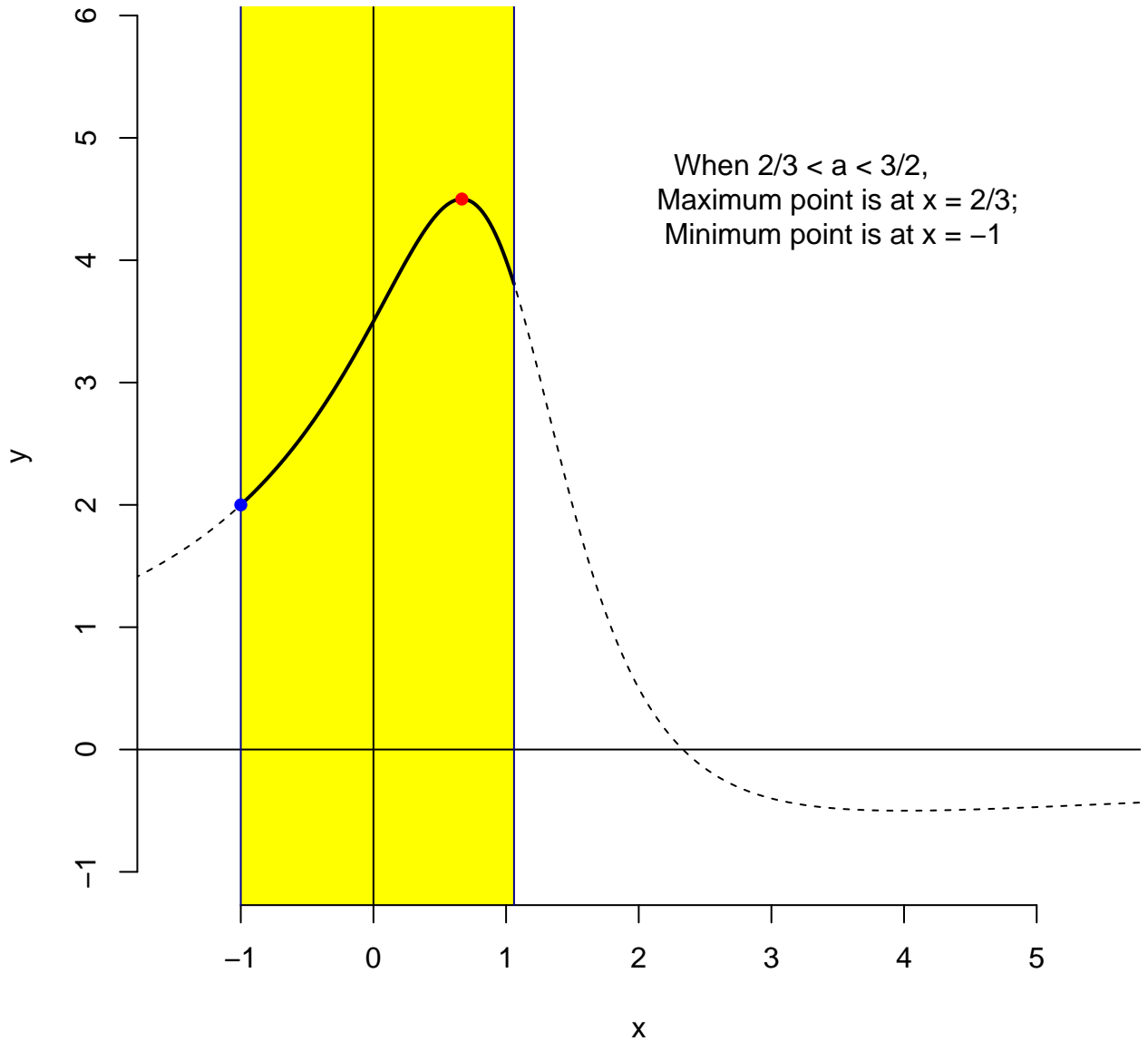
$$a = 1.04$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



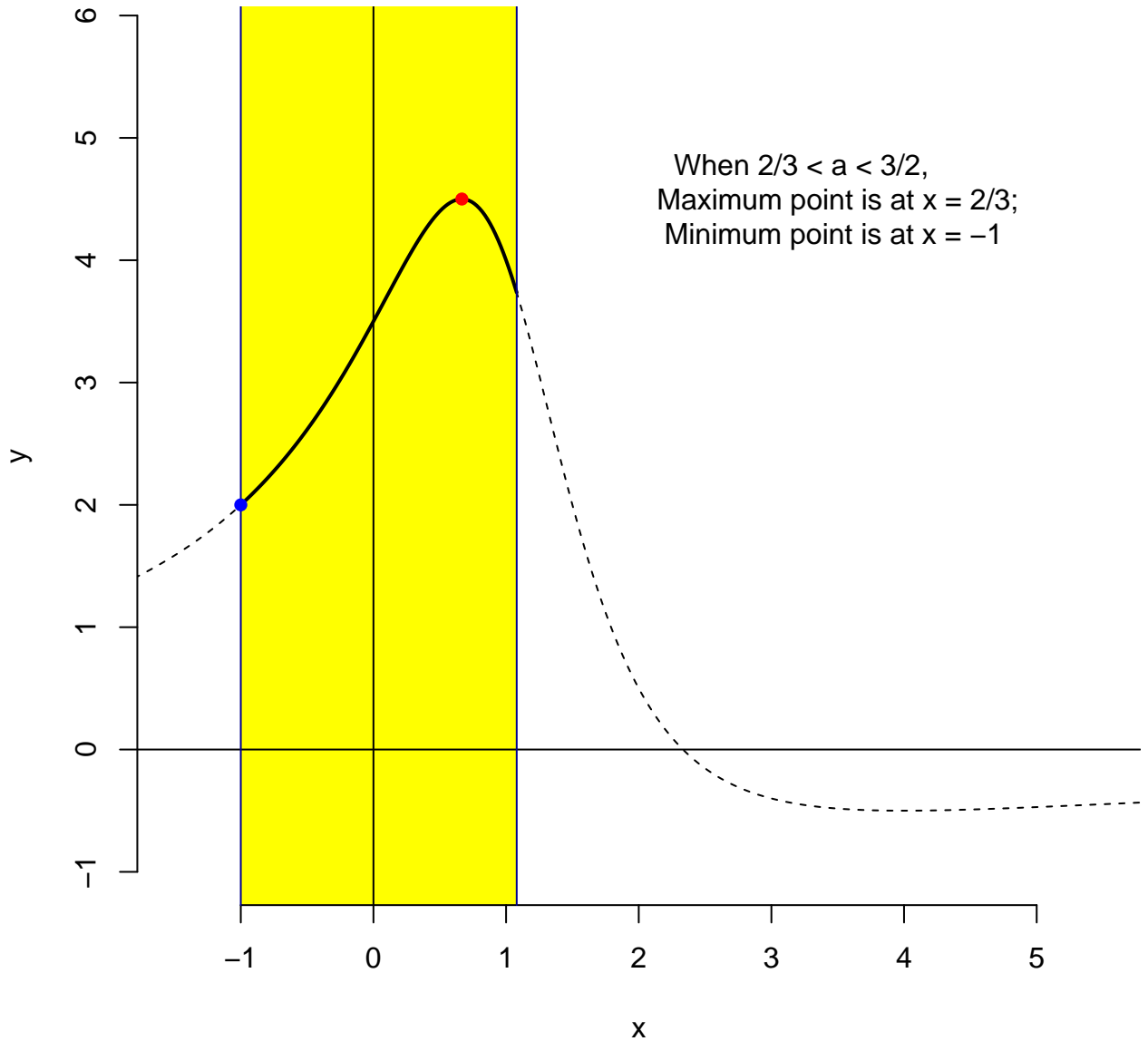
$a = 1.06$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



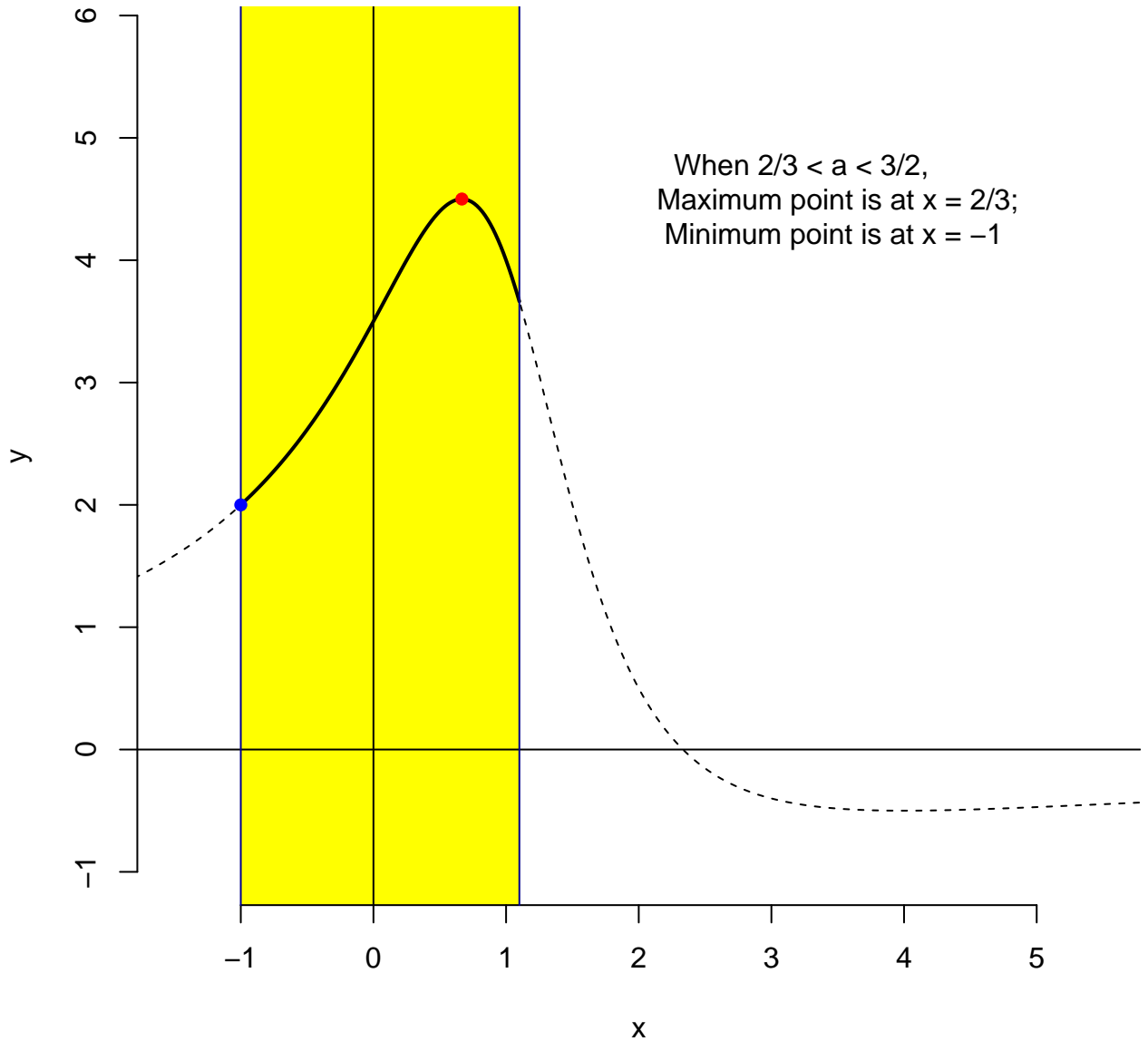
$a = 1.08$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



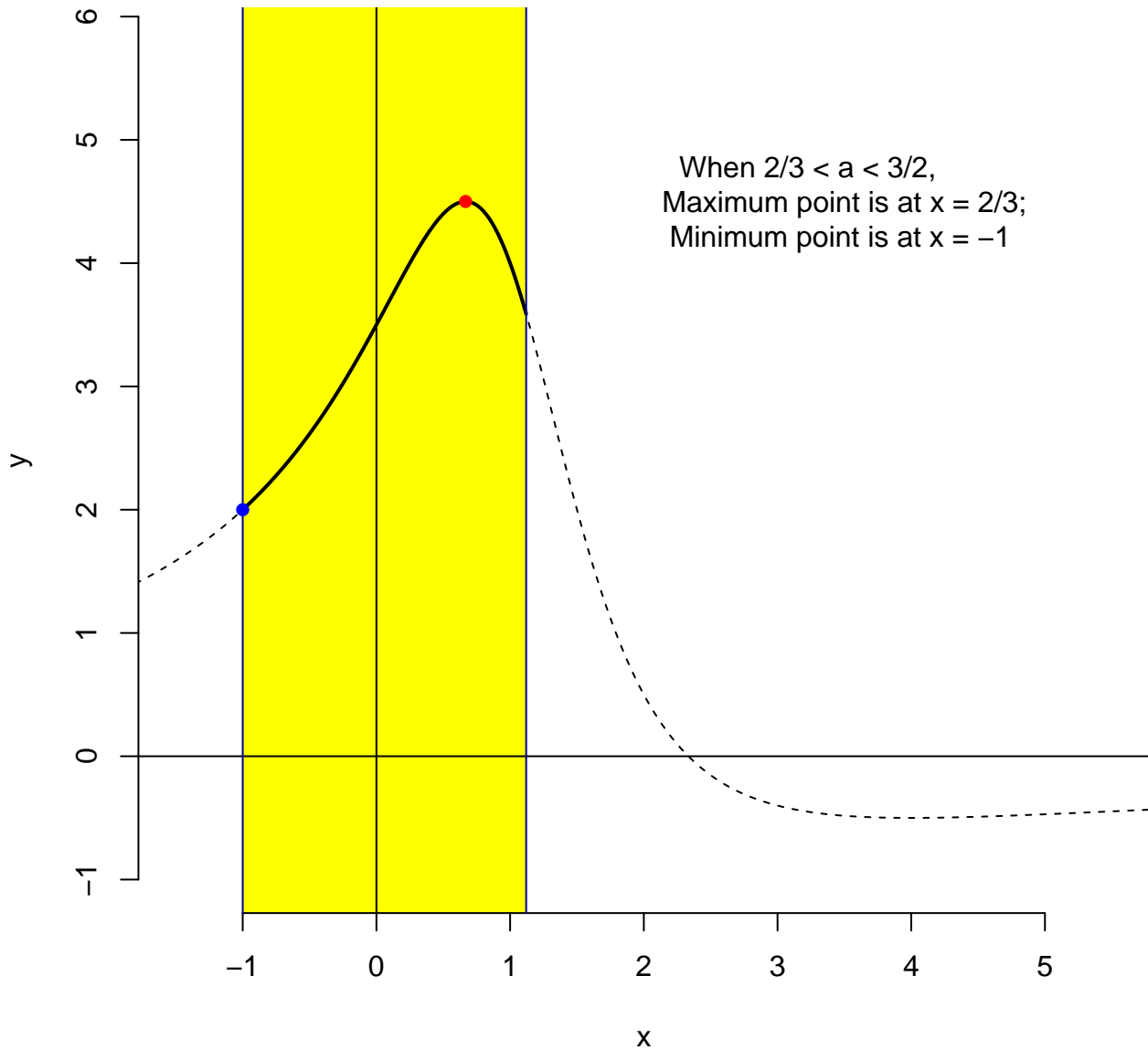
a = 1.1

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



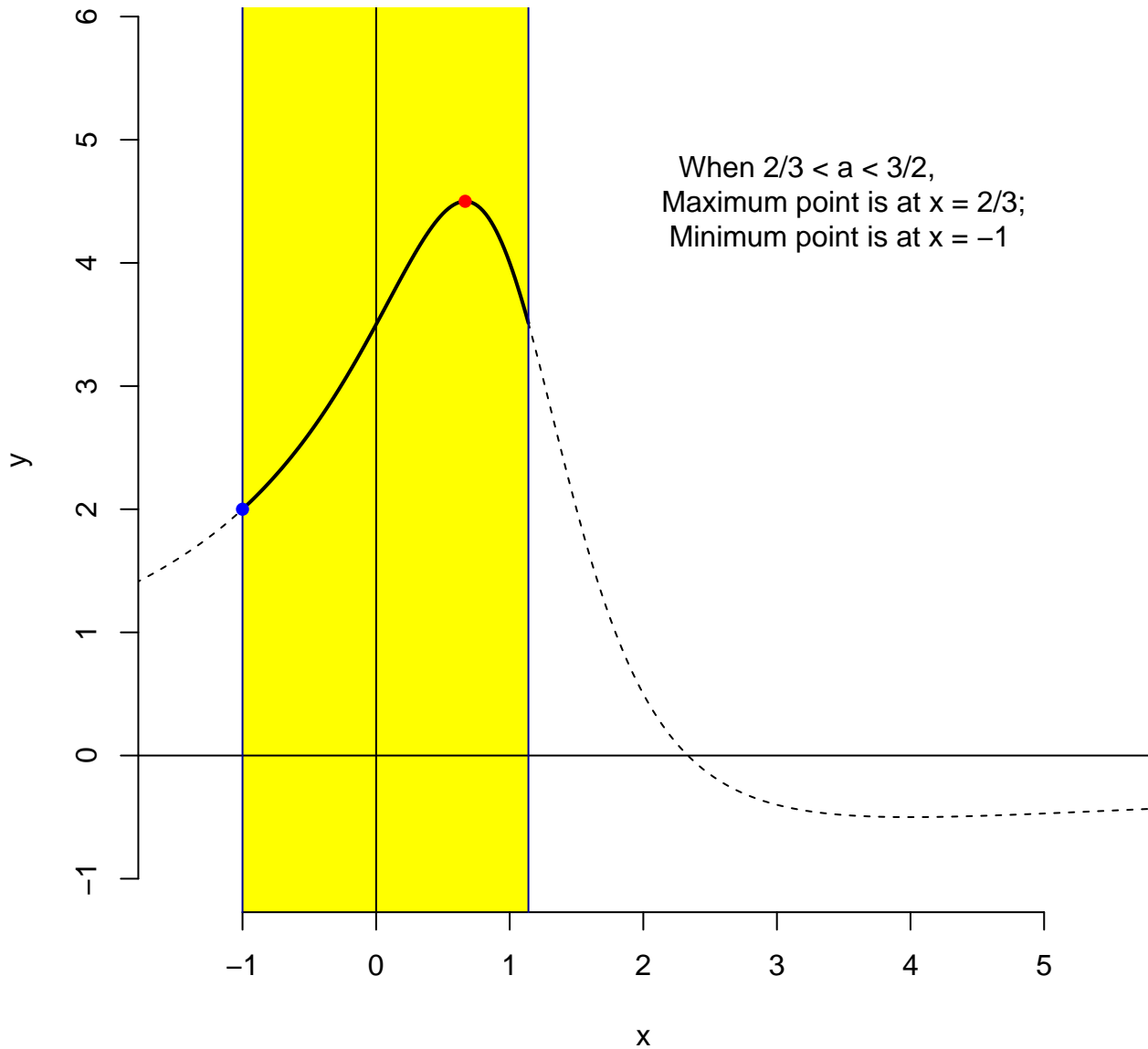
$$a = 1.12$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



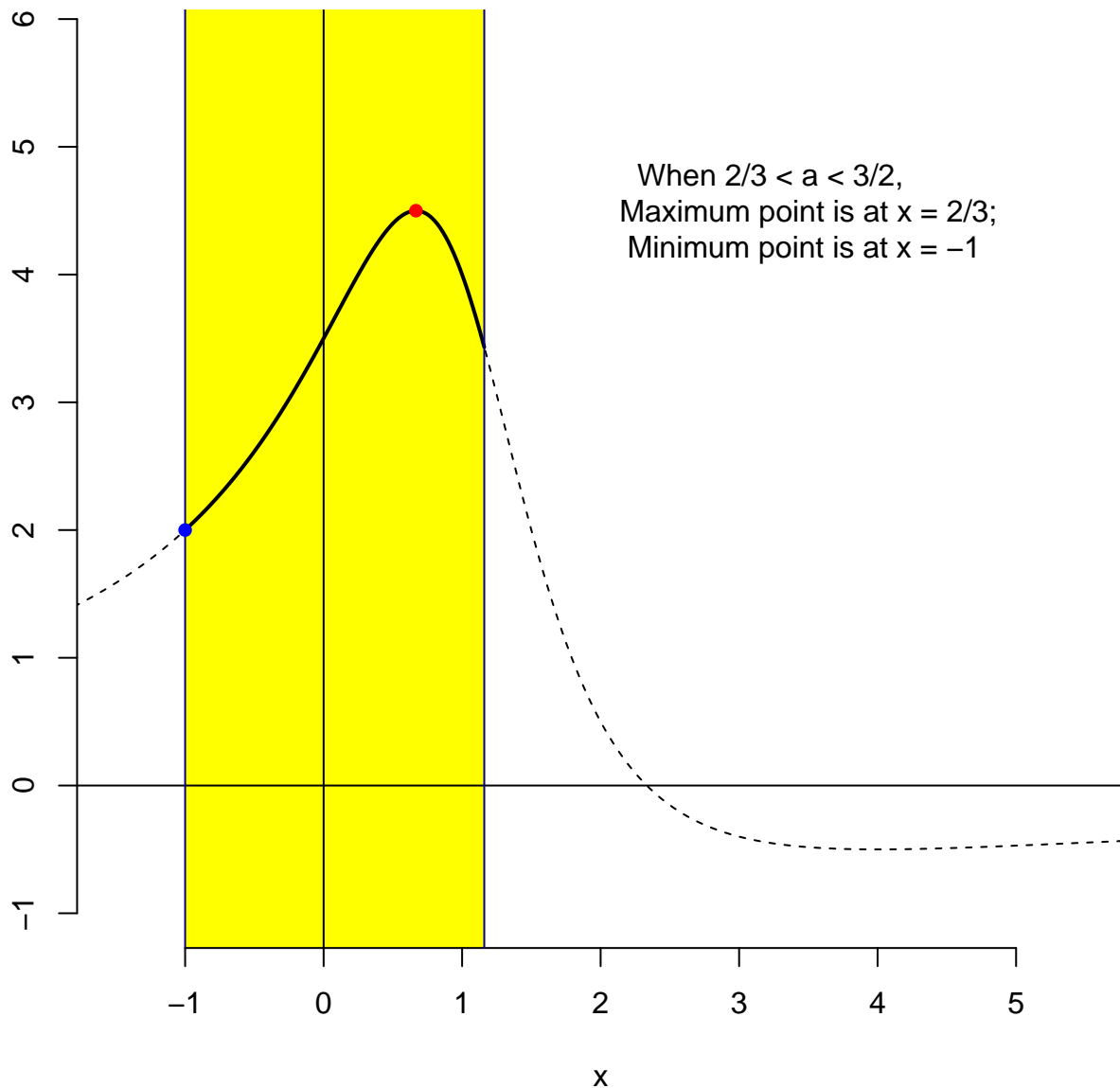
$$a = 1.14$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



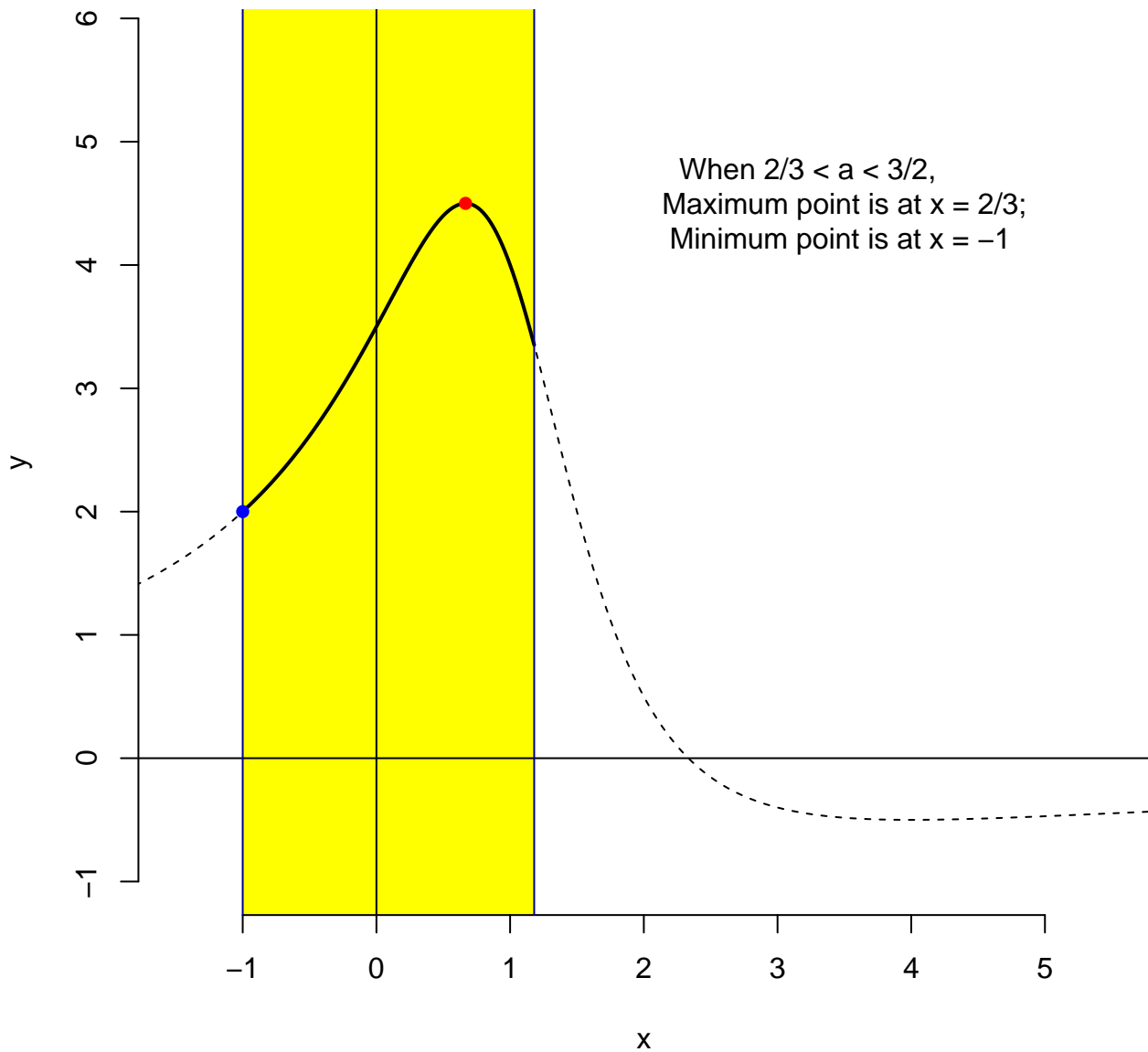
$$a = 1.16$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



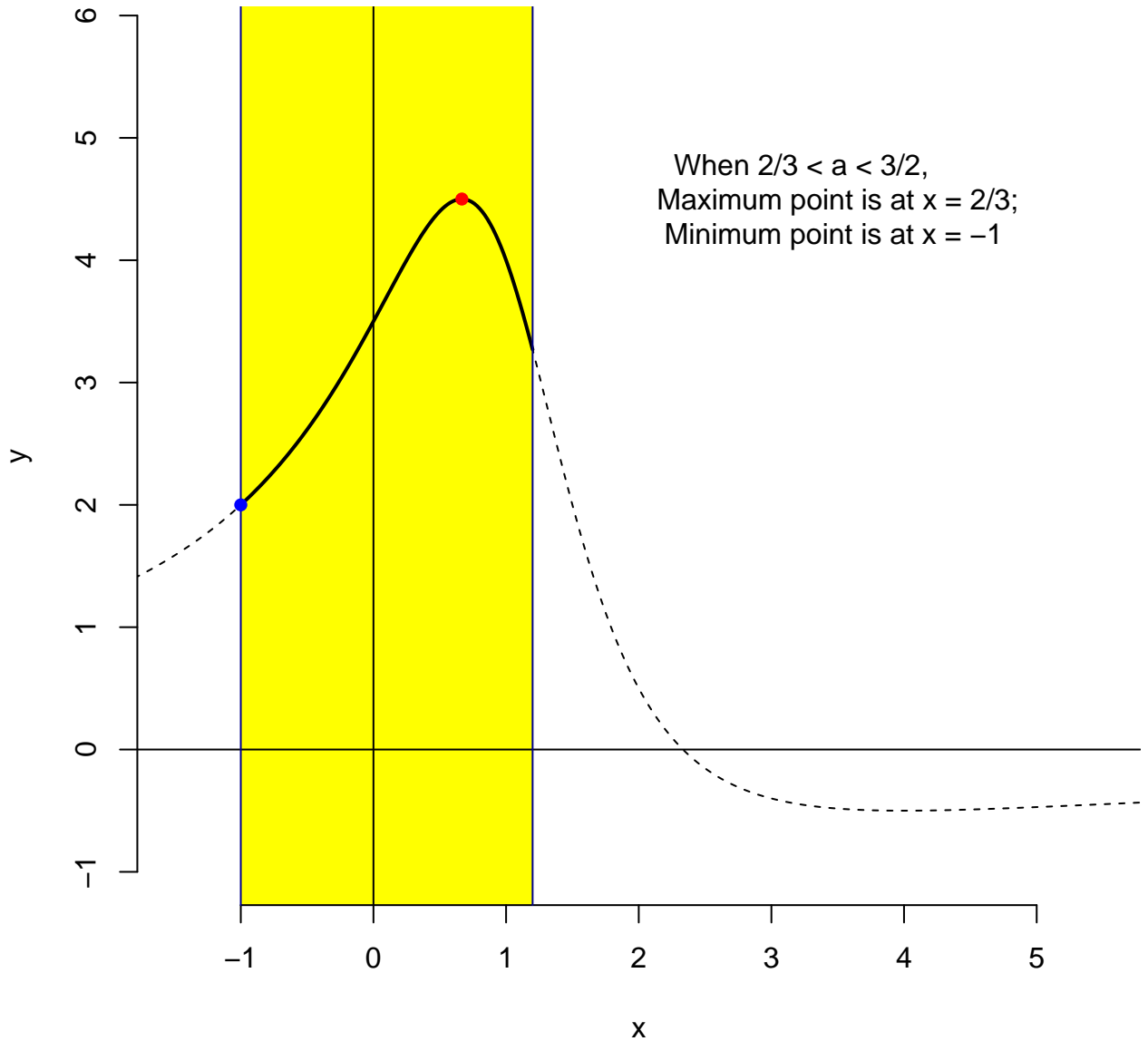
$$a = 1.18$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



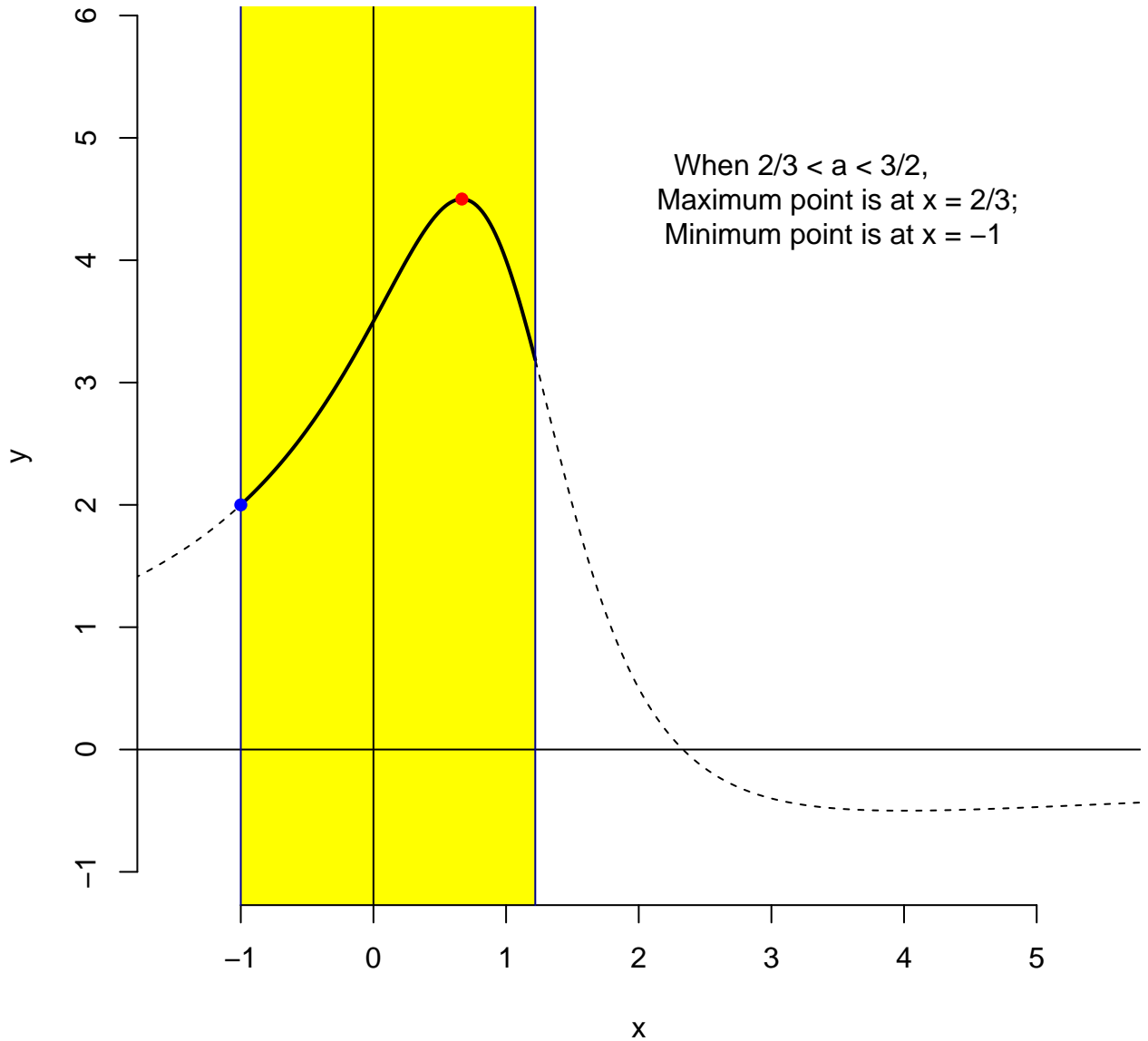
$$a = 1.2$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



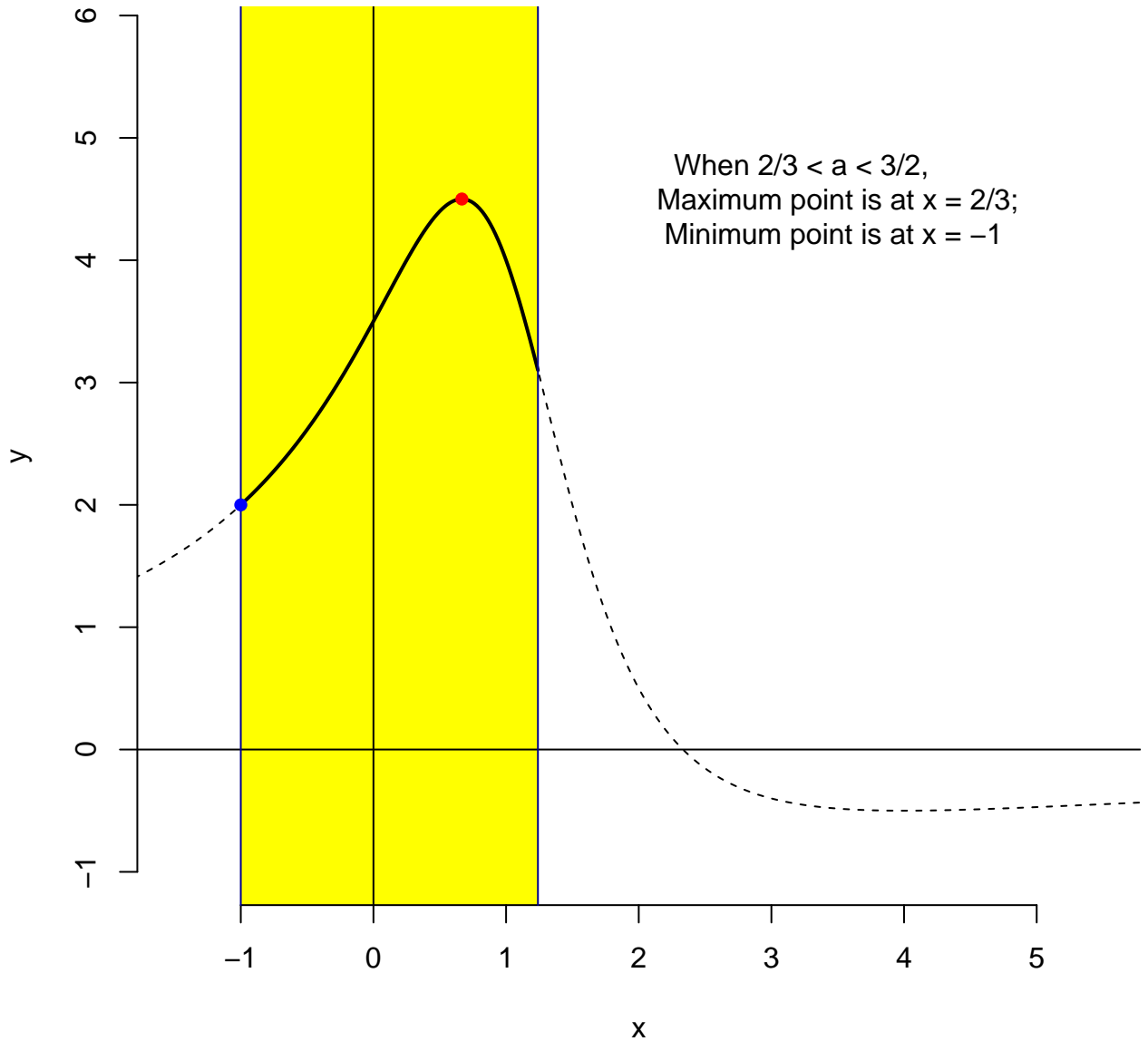
$a = 1.22$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



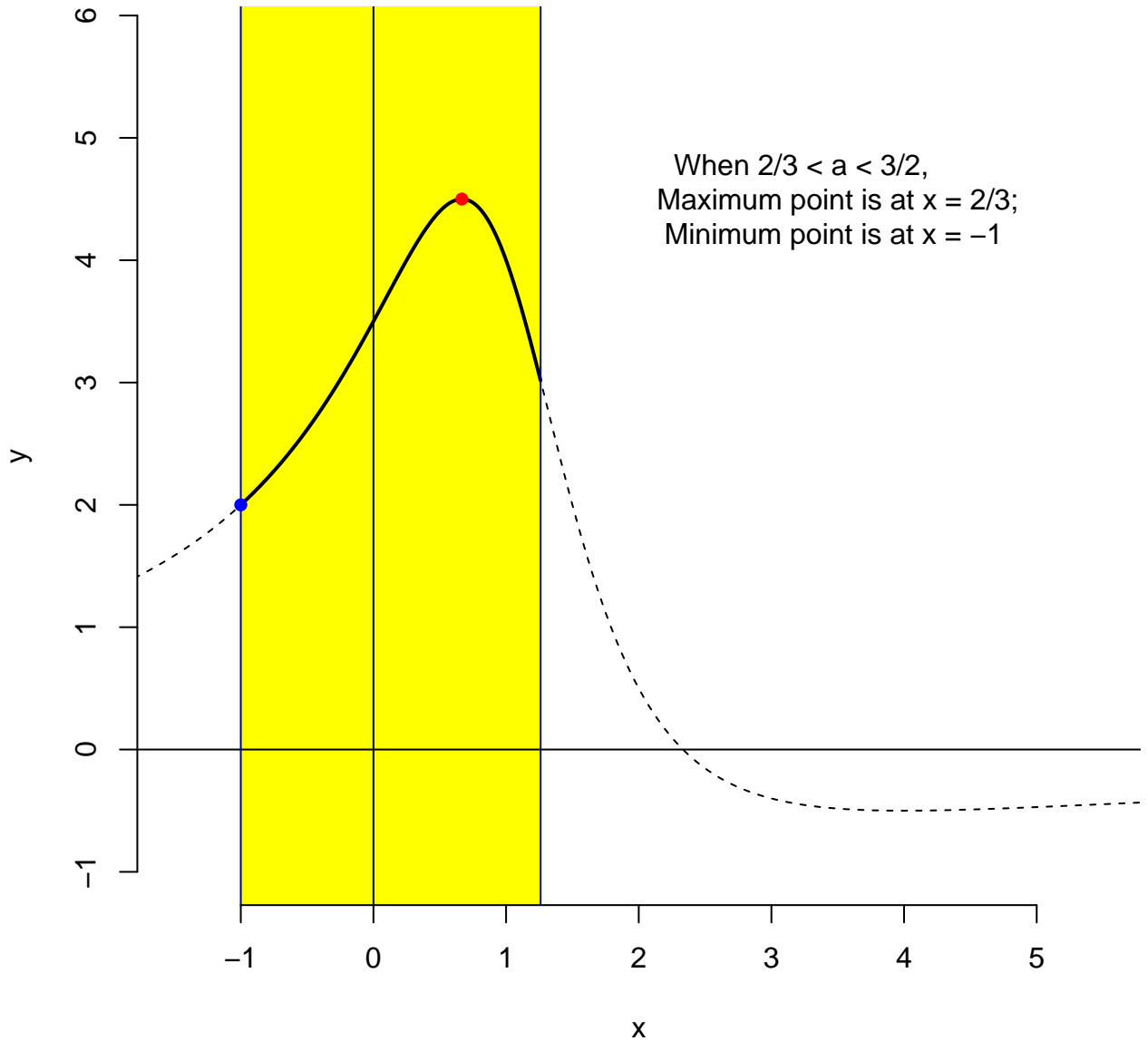
$a = 1.24$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



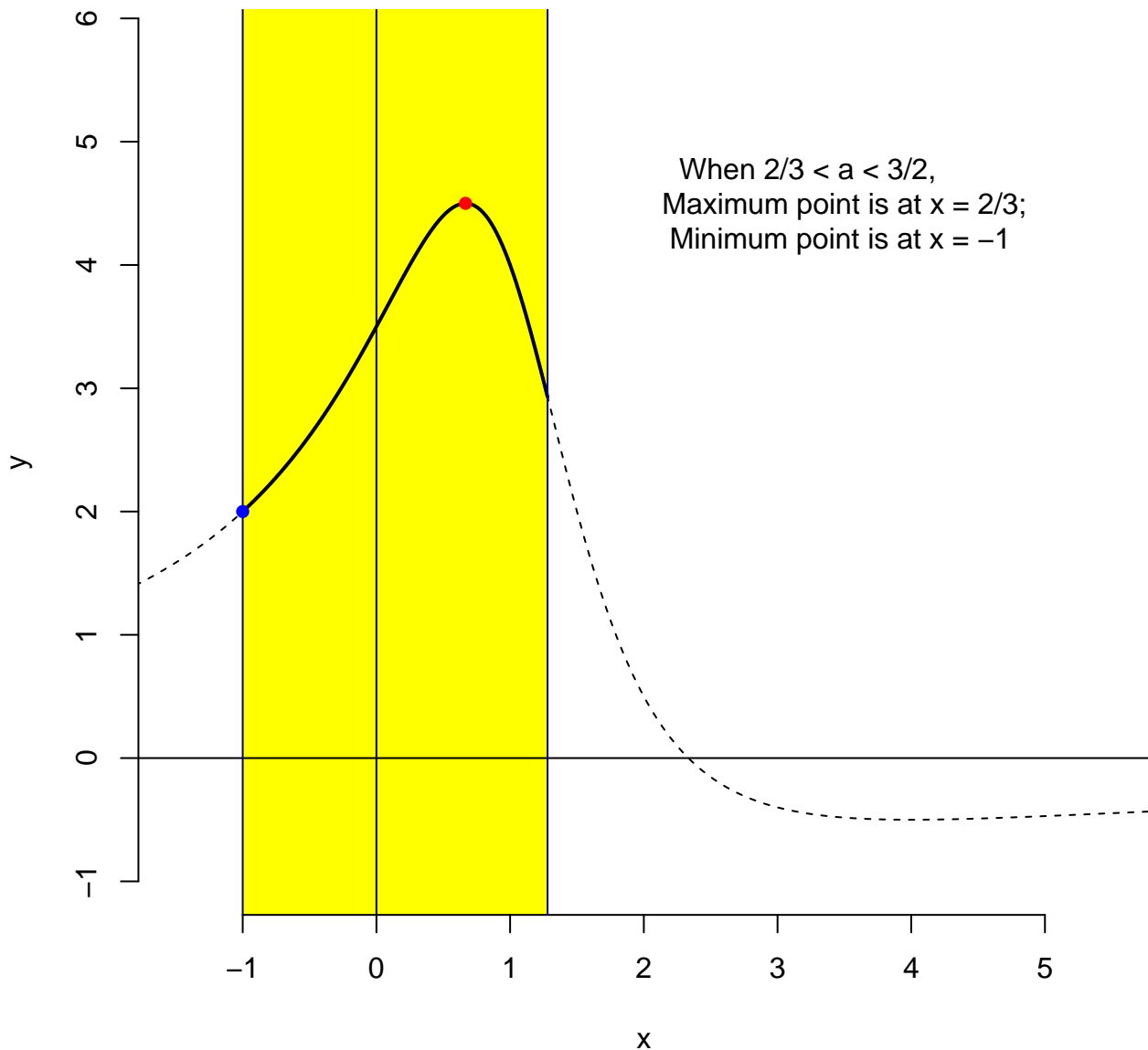
$$a = 1.26$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



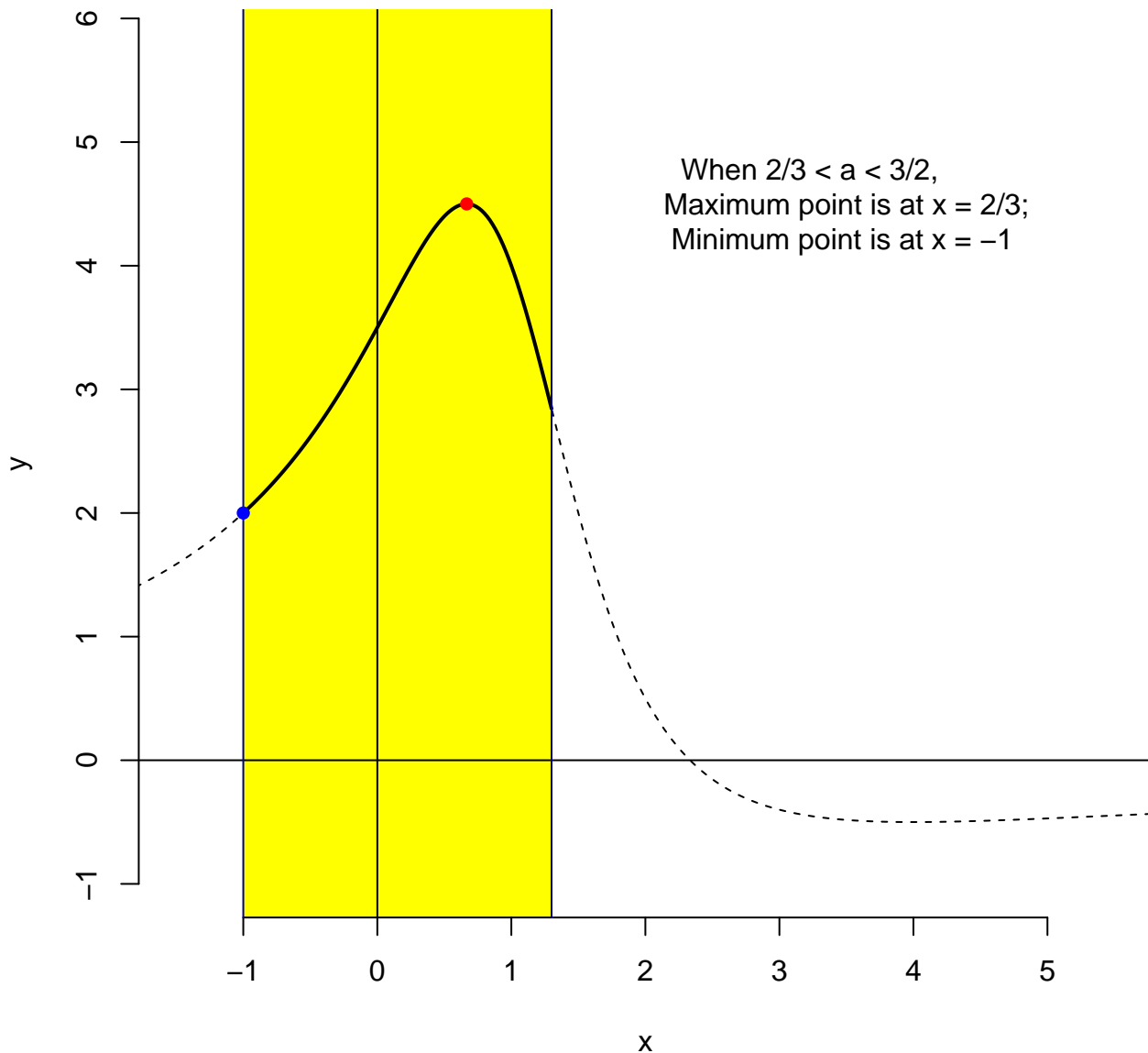
$$a = 1.28$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



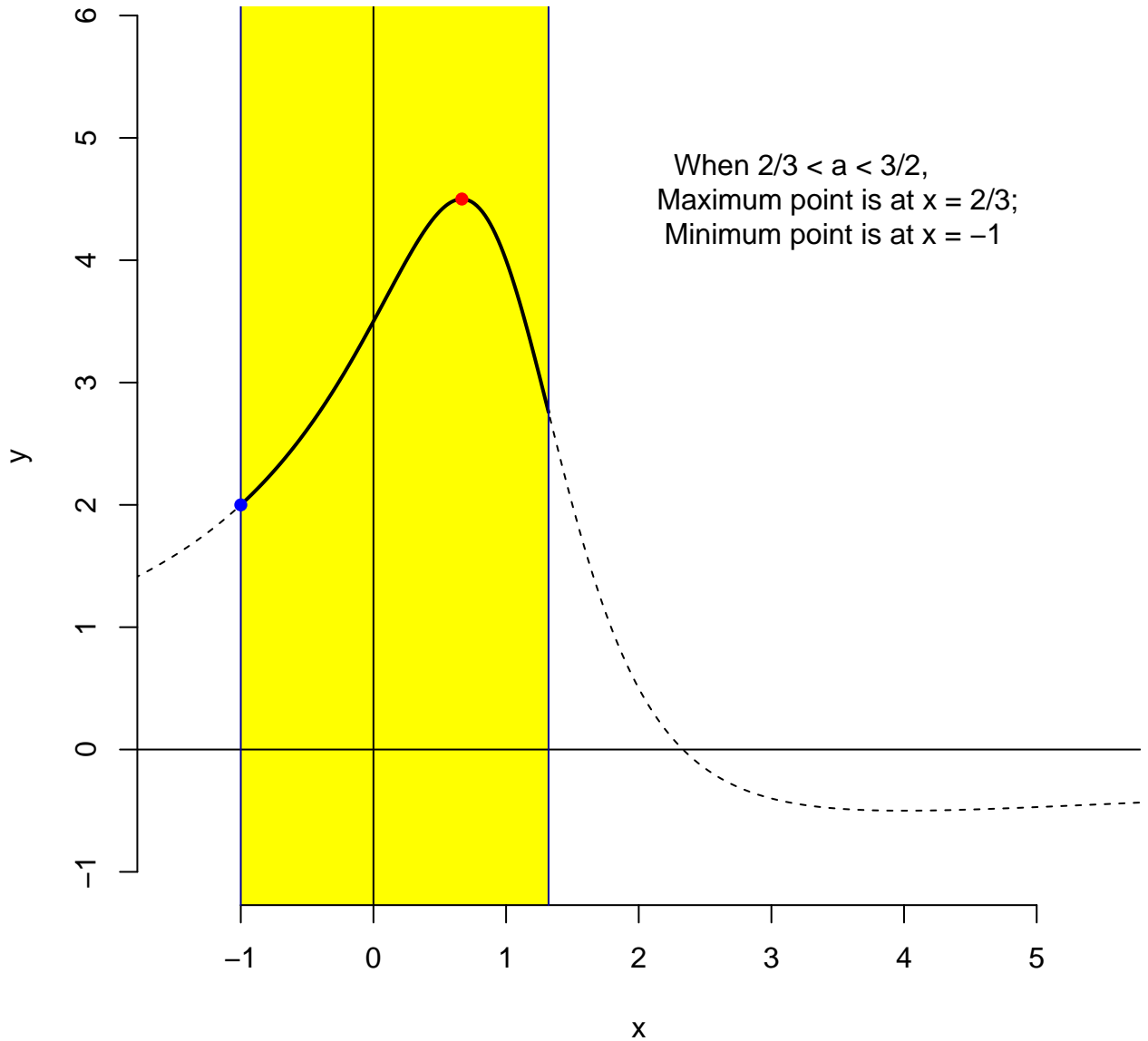
$$a = 1.3$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



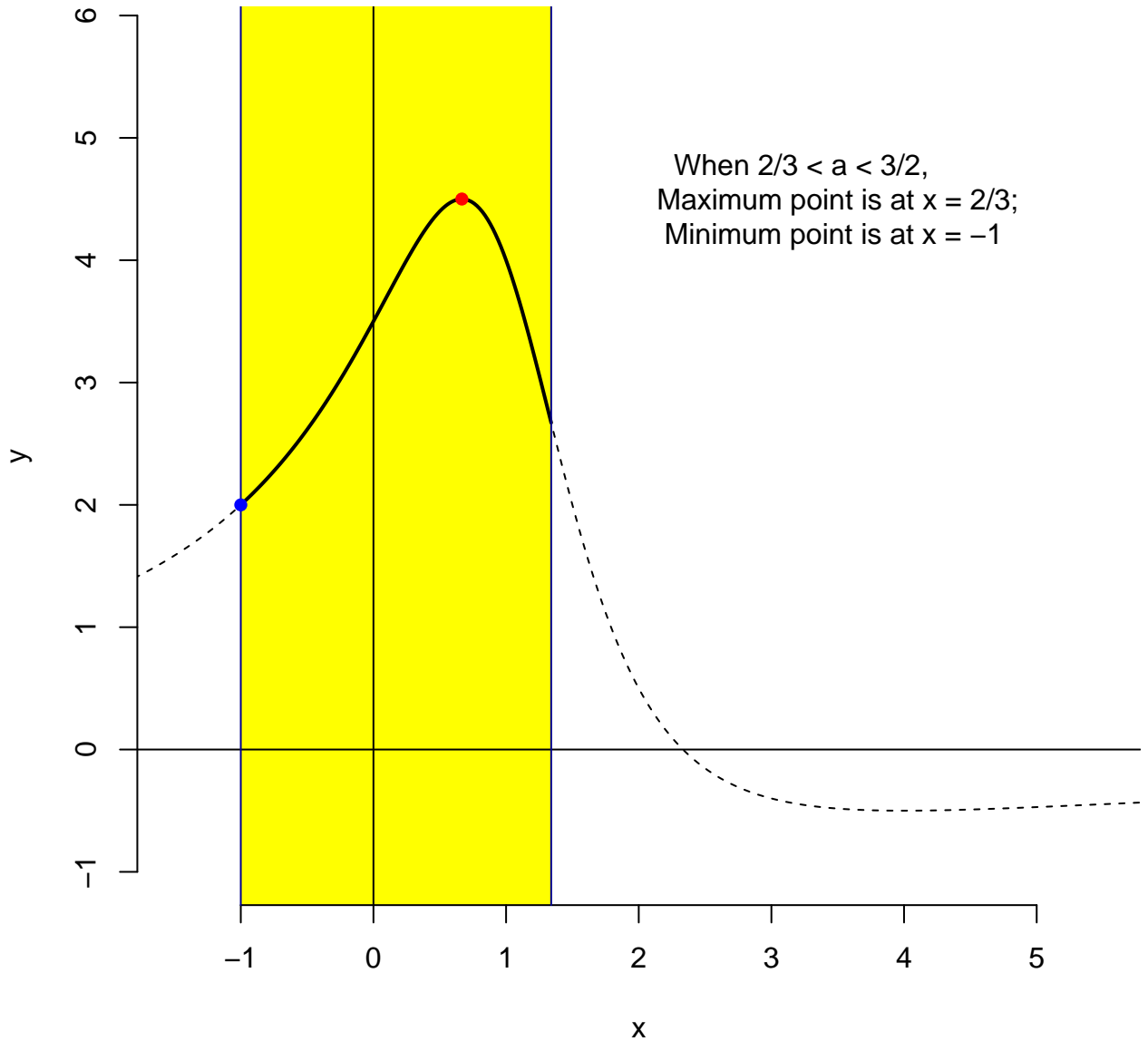
$$a = 1.32$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



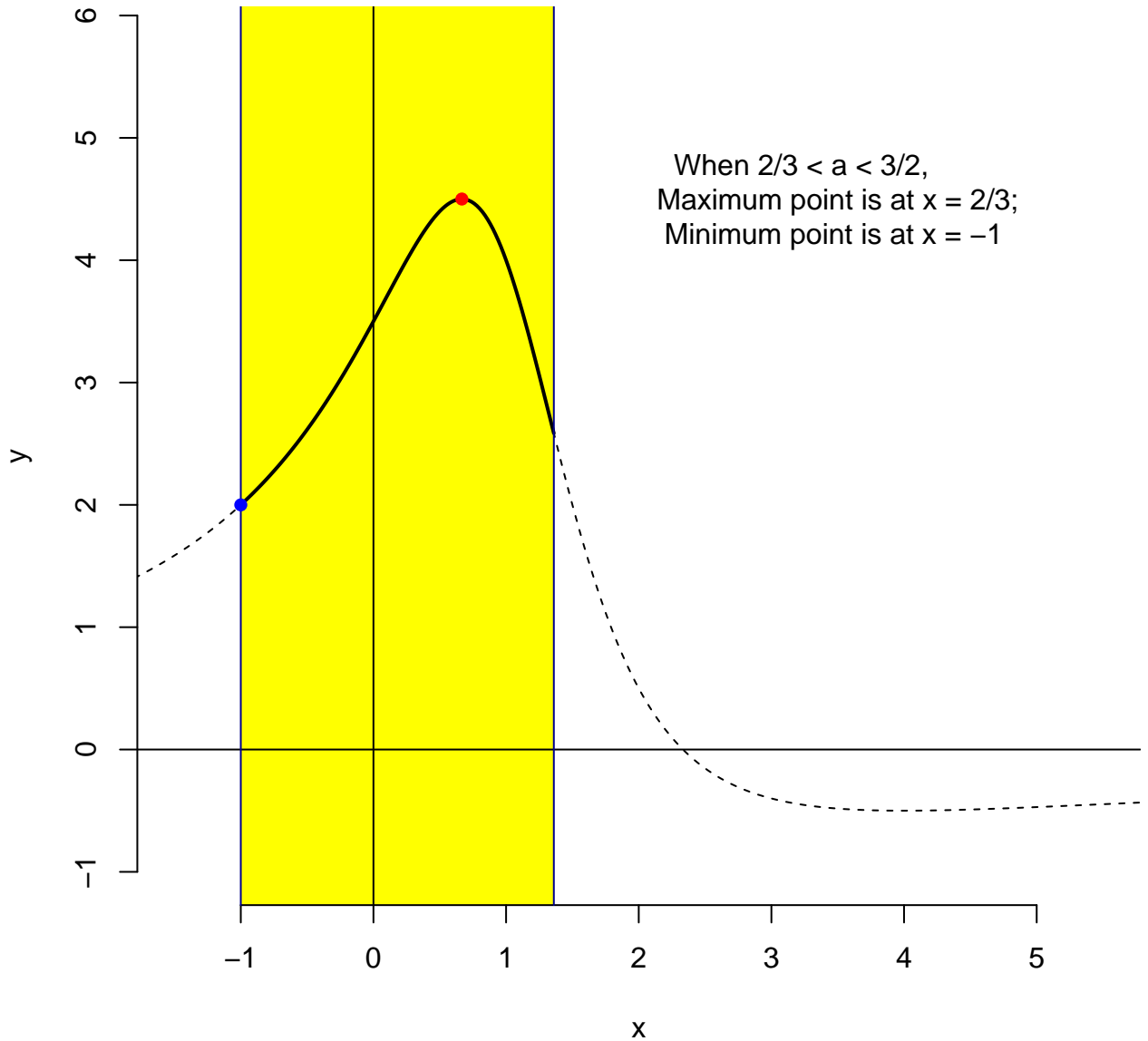
$$a = 1.34$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



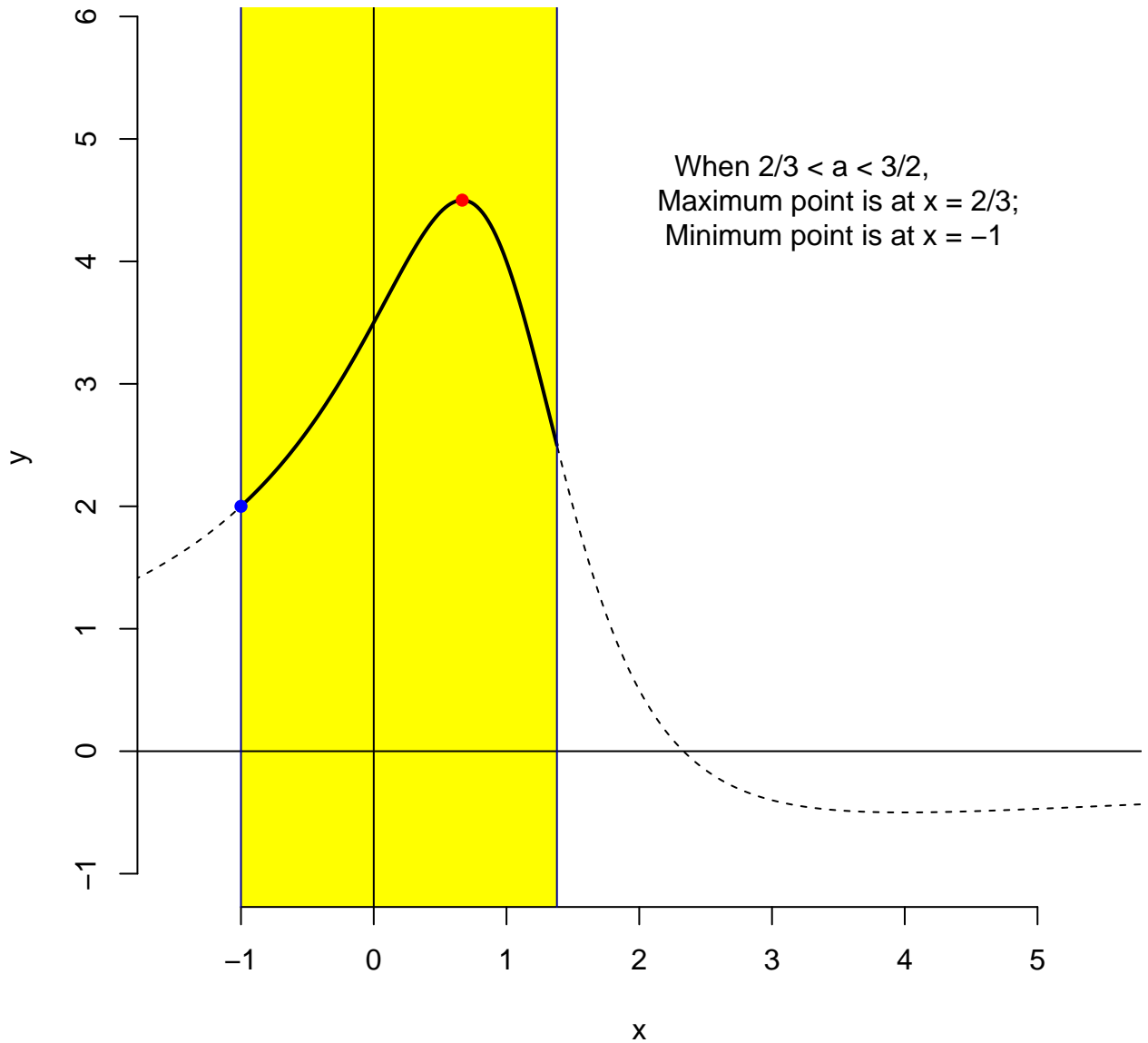
$$a = 1.36$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



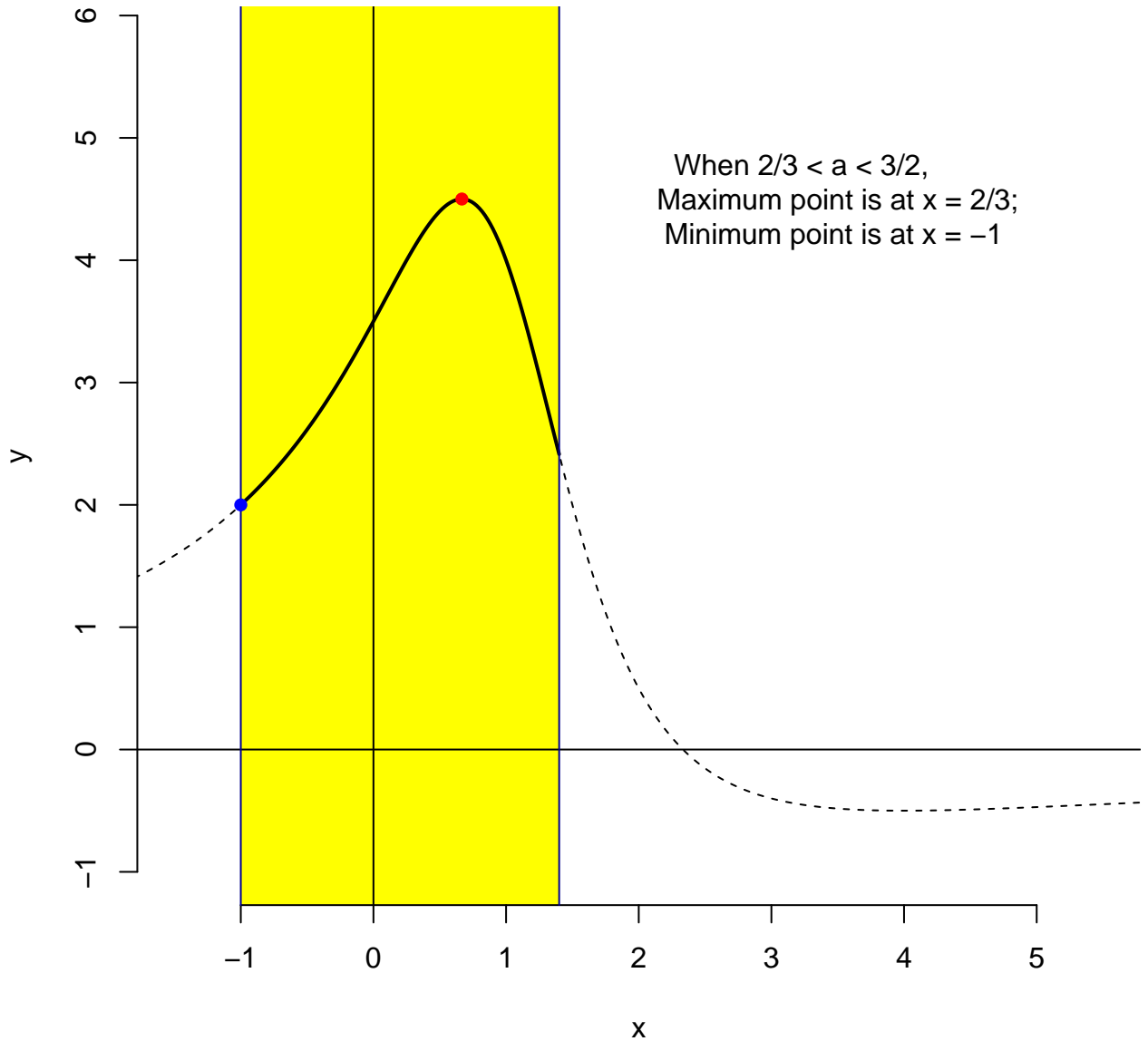
$$a = 1.38$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



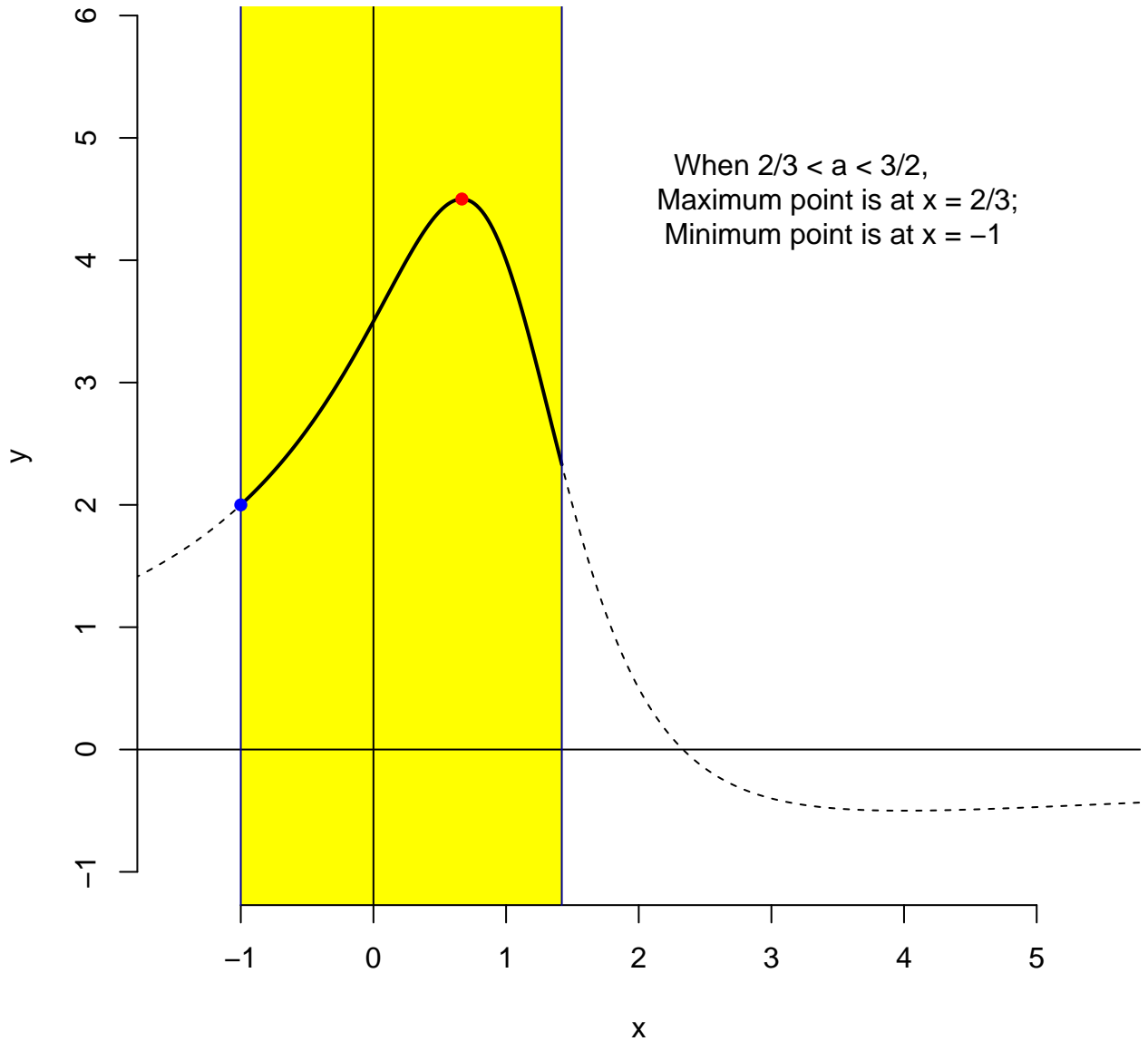
$$a = 1.4$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



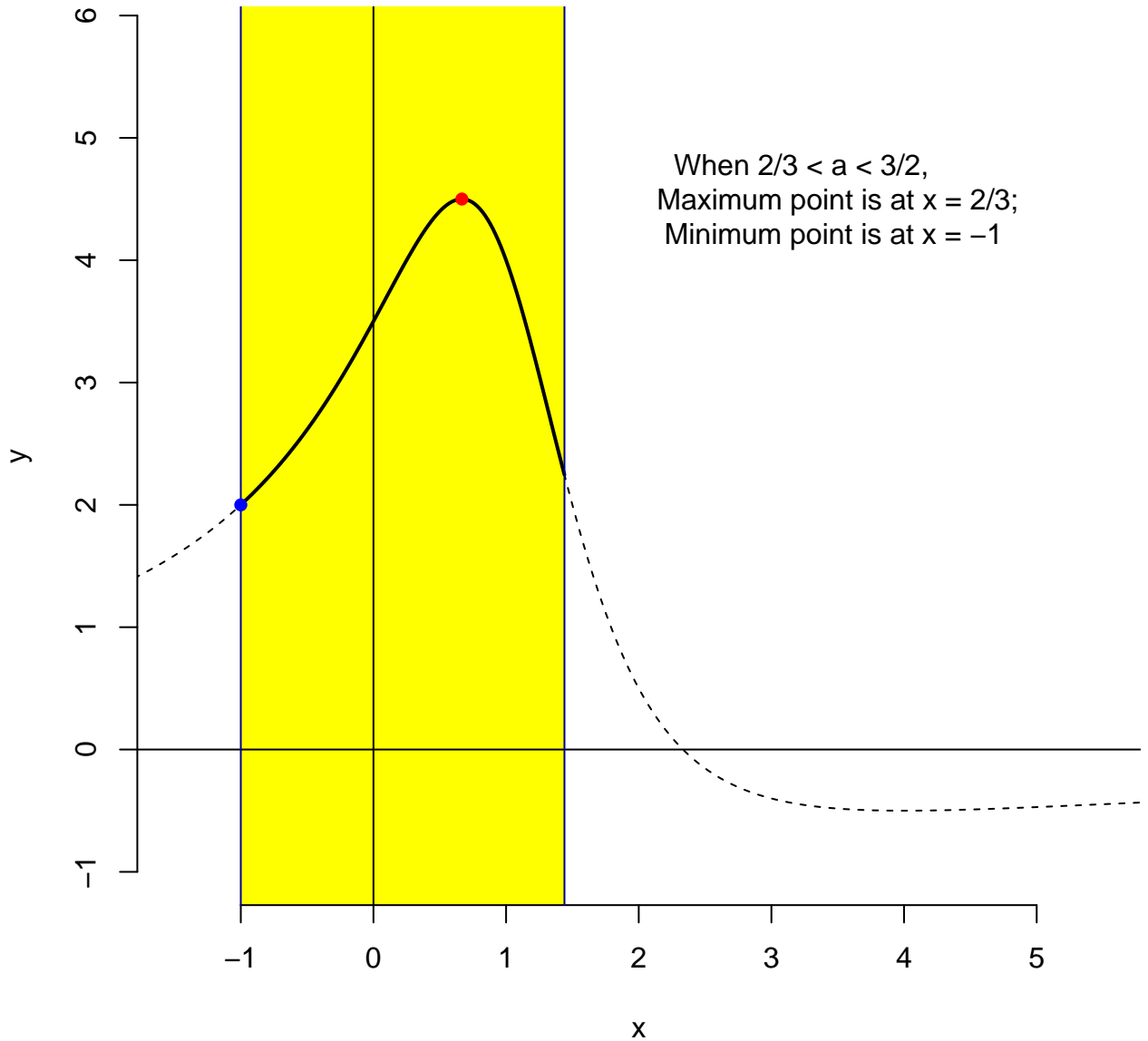
$$a = 1.42$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



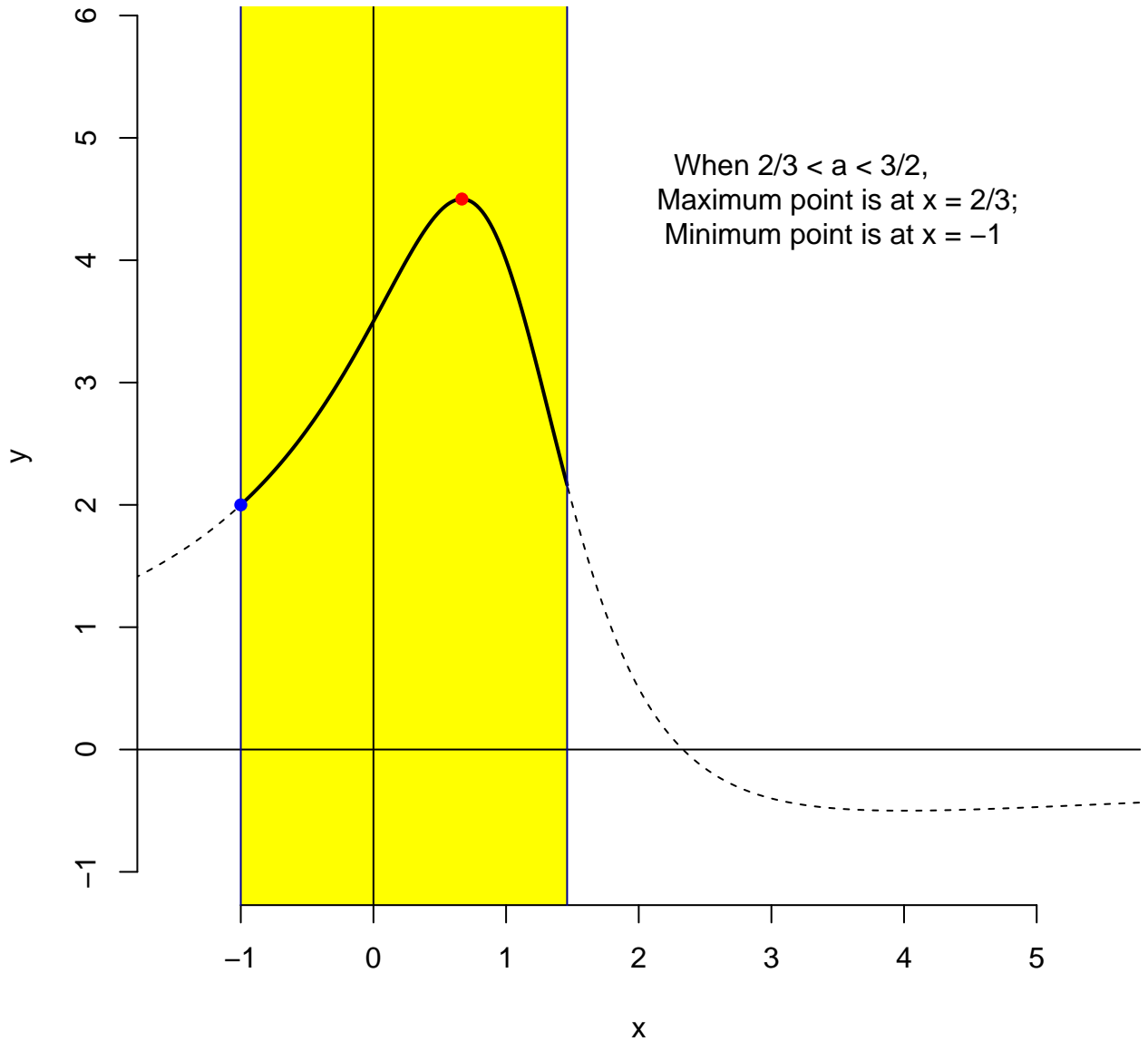
$a = 1.44$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



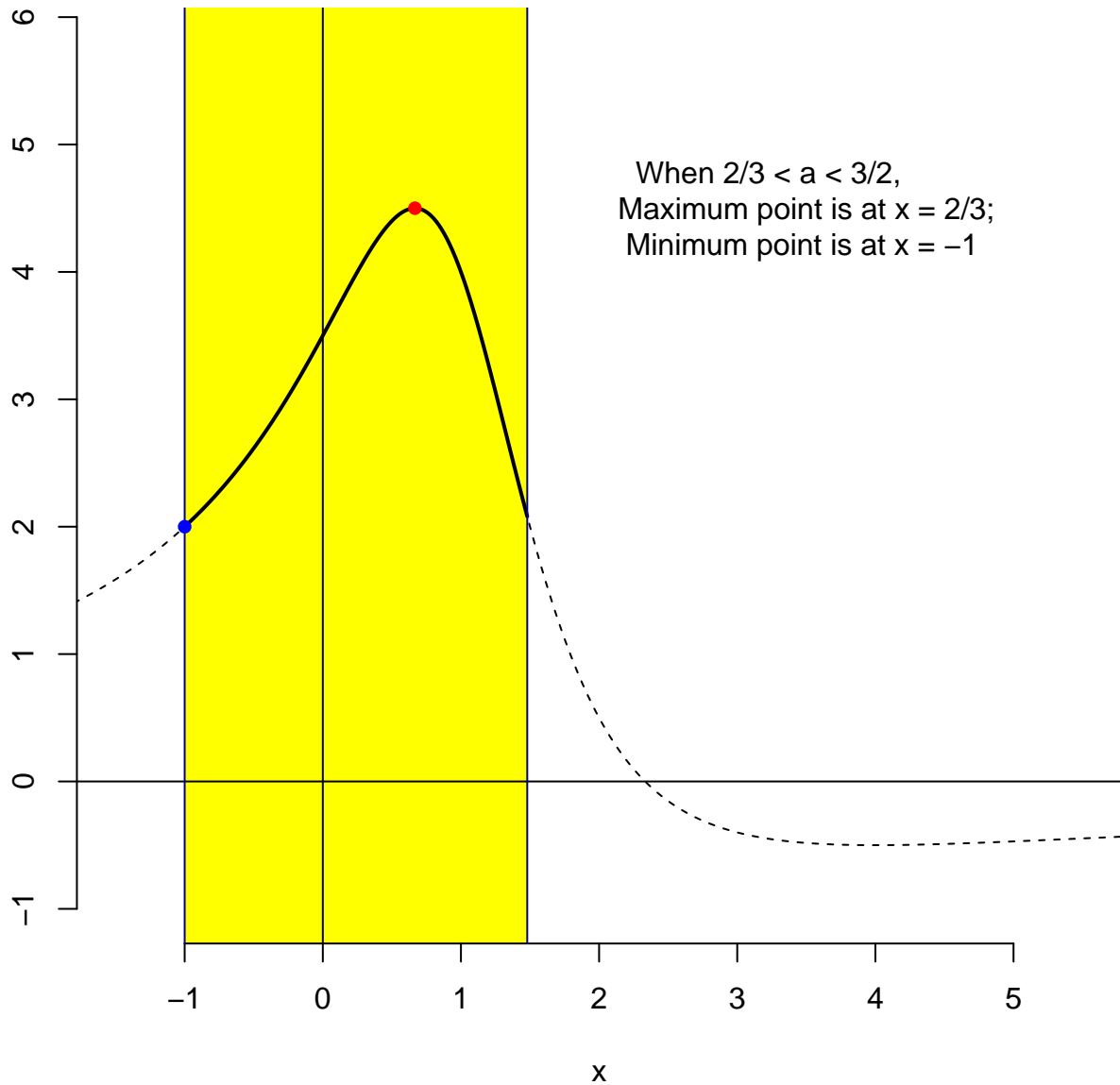
$$a = 1.46$$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



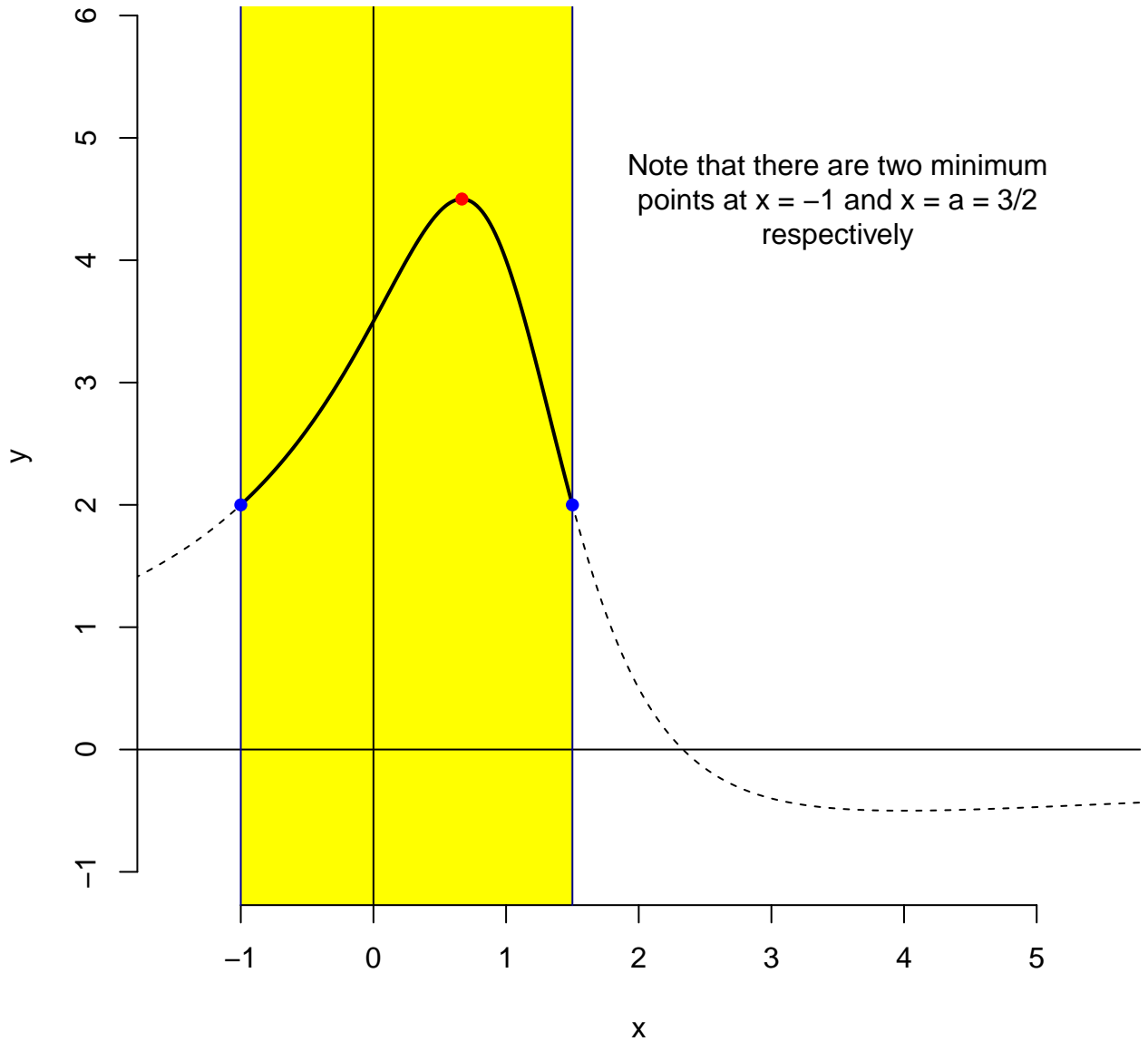
$a = 1.48$

When $\frac{2}{3} < a < \frac{3}{2}$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = -1$



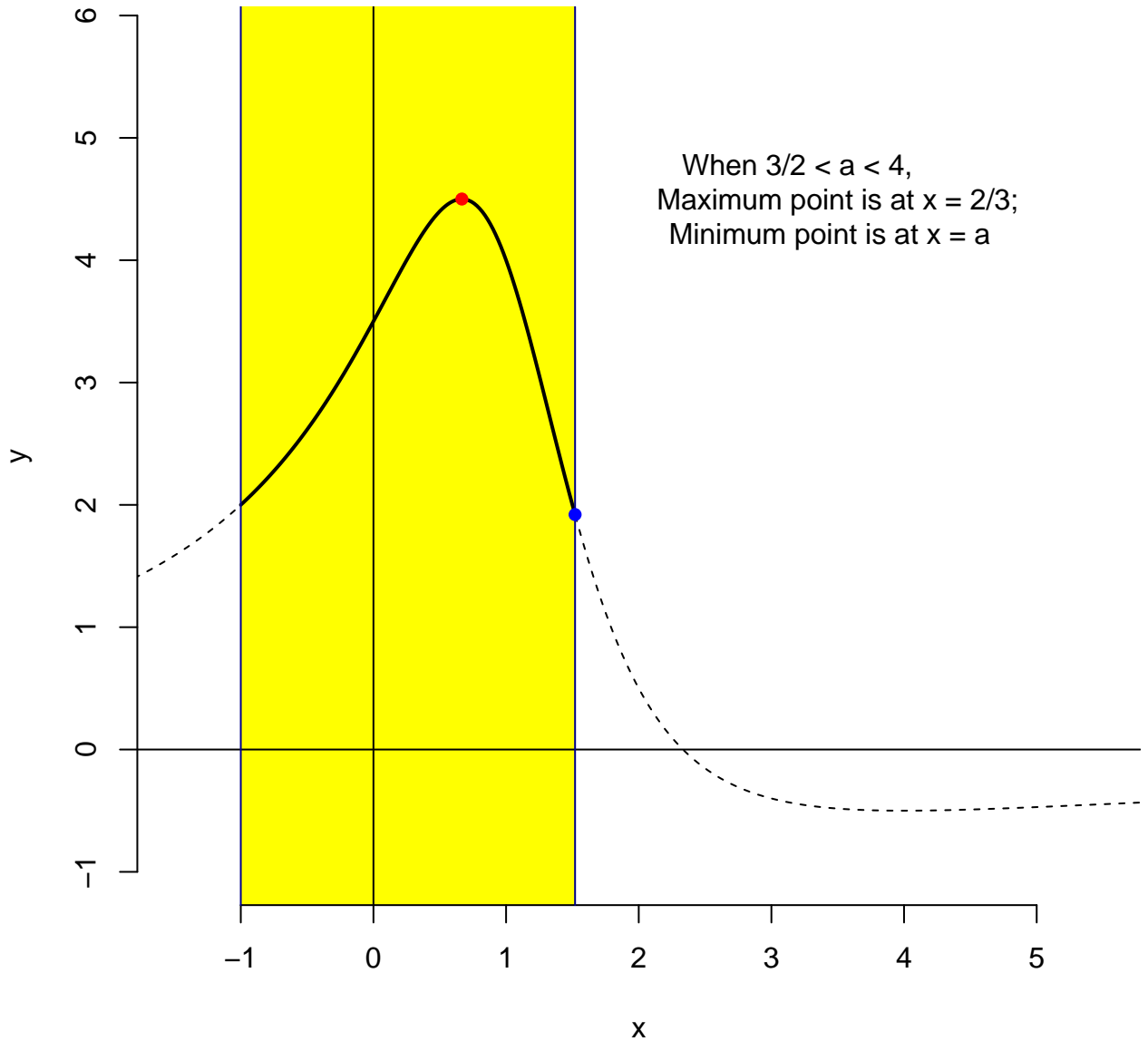
$a = 1.5$

Note that there are two minimum
points at $x = -1$ and $x = a = 3/2$
respectively



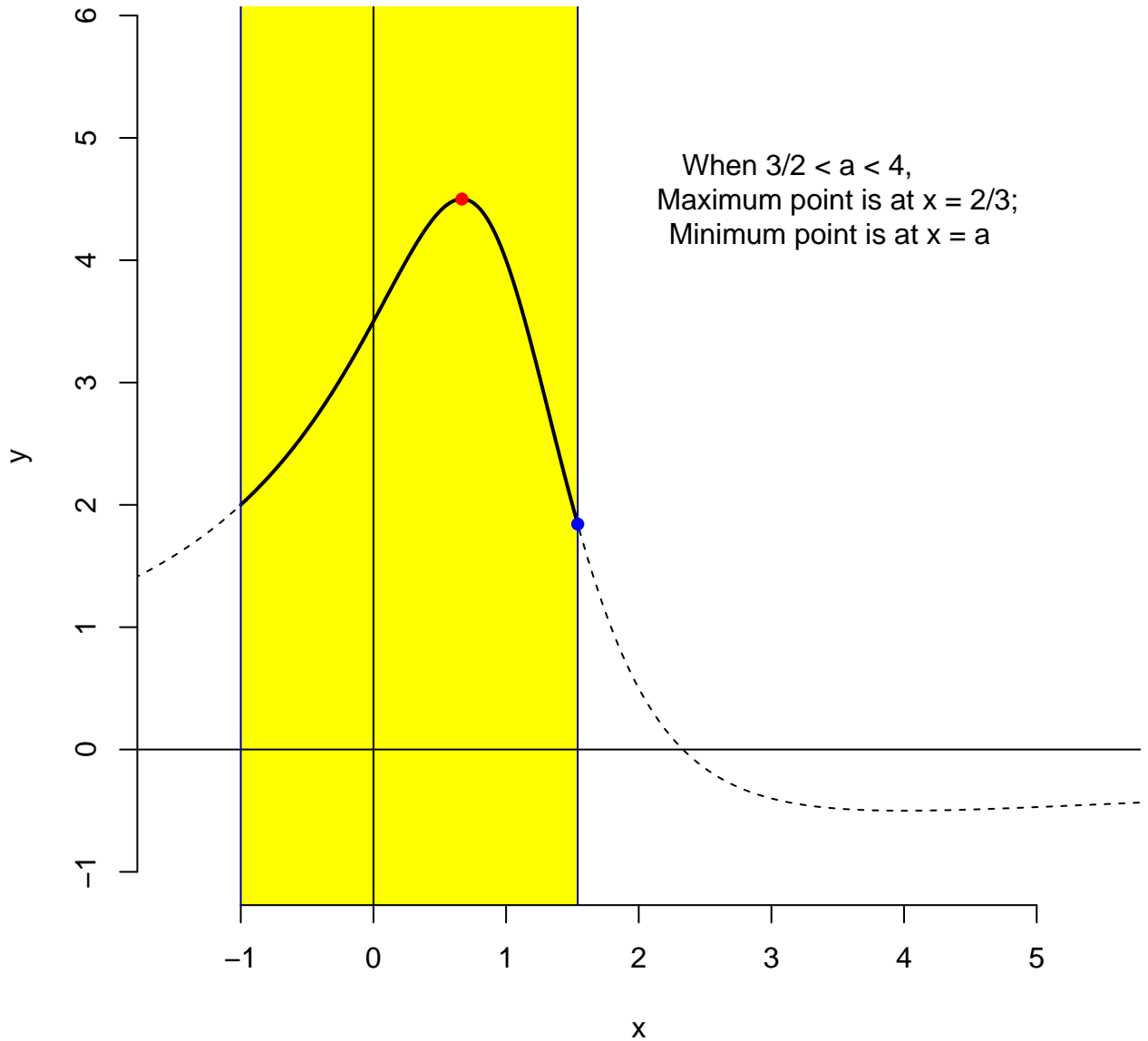
$$a = 1.52$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



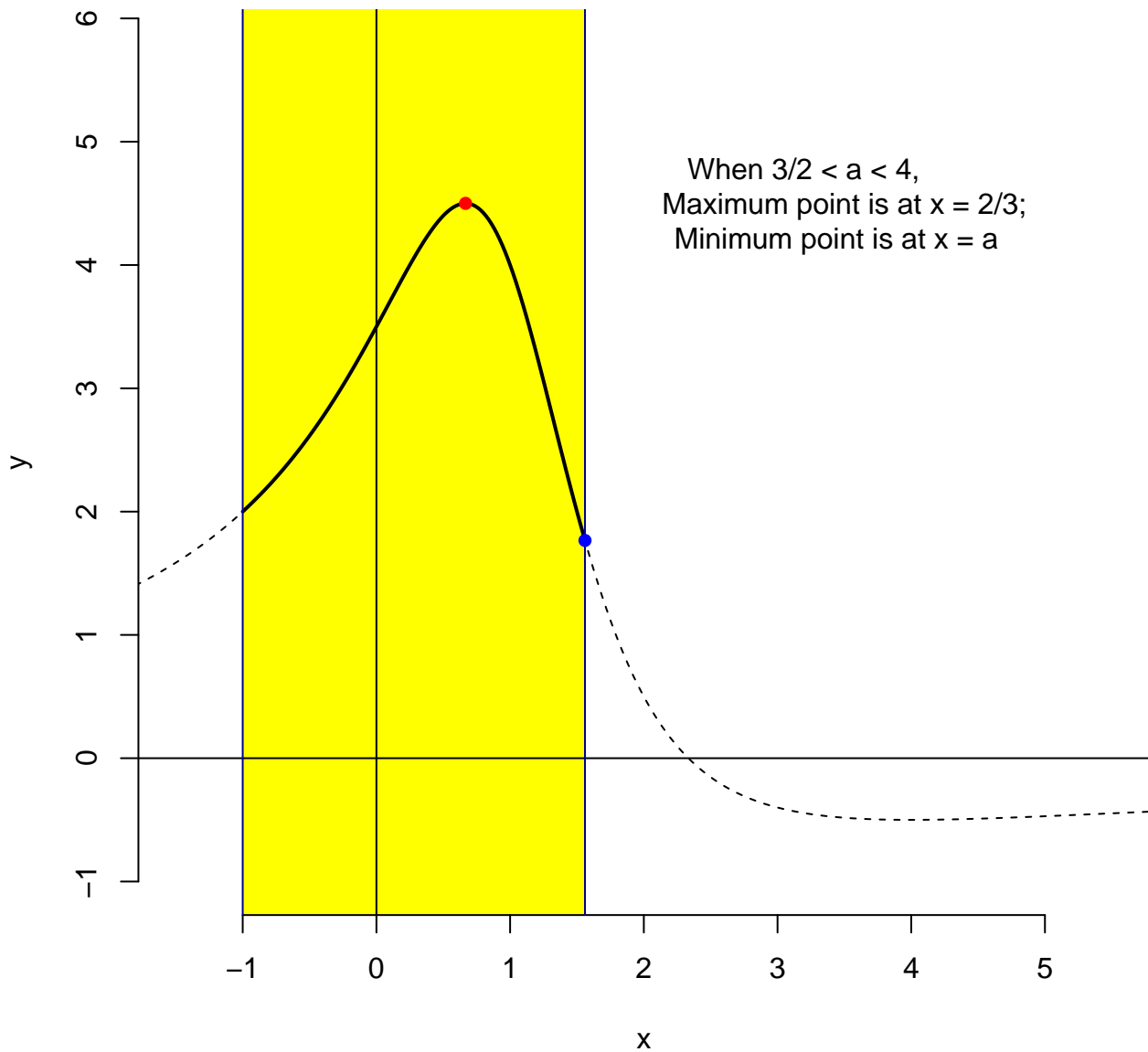
$$a = 1.54$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



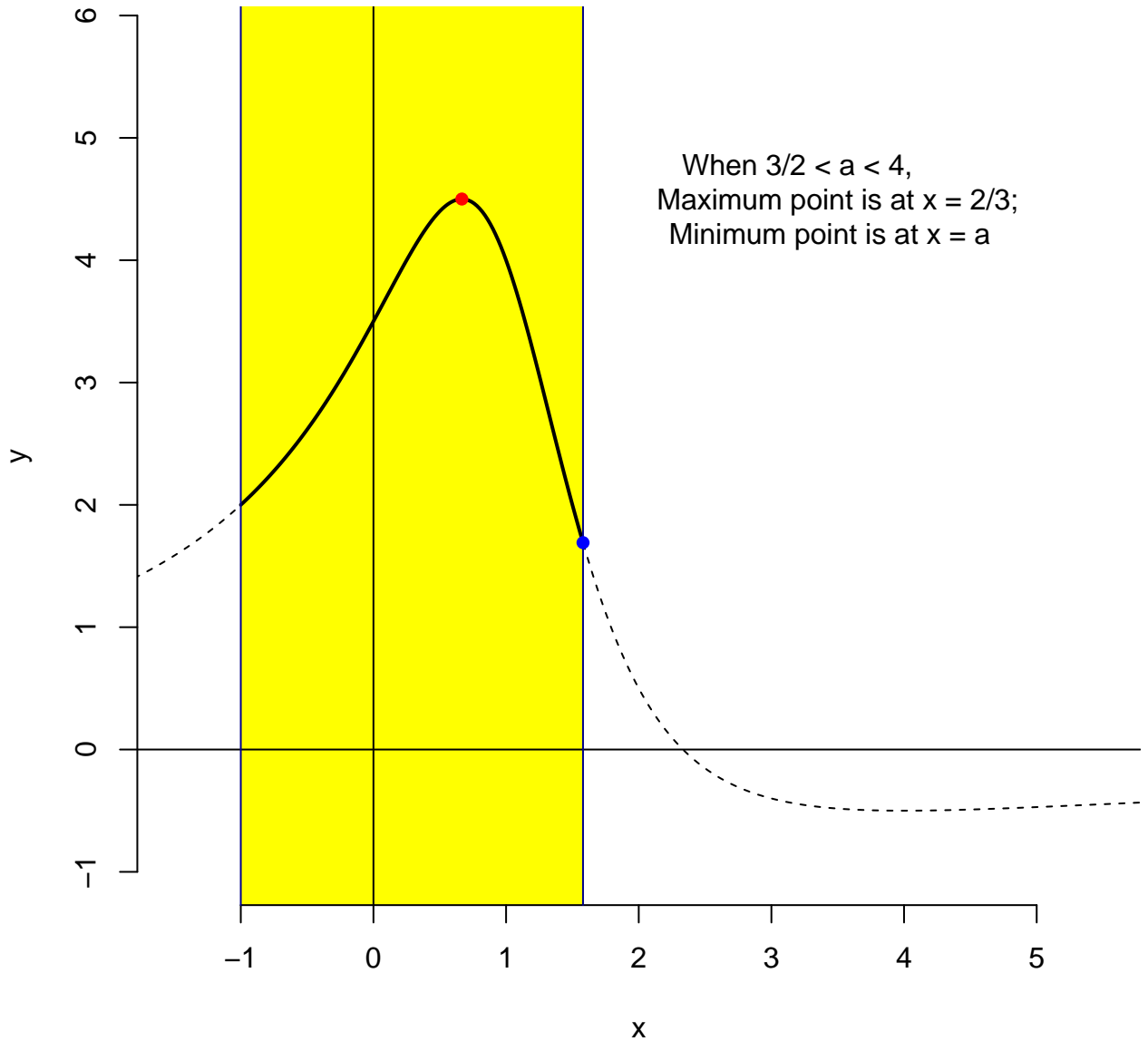
$$a = 1.56$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



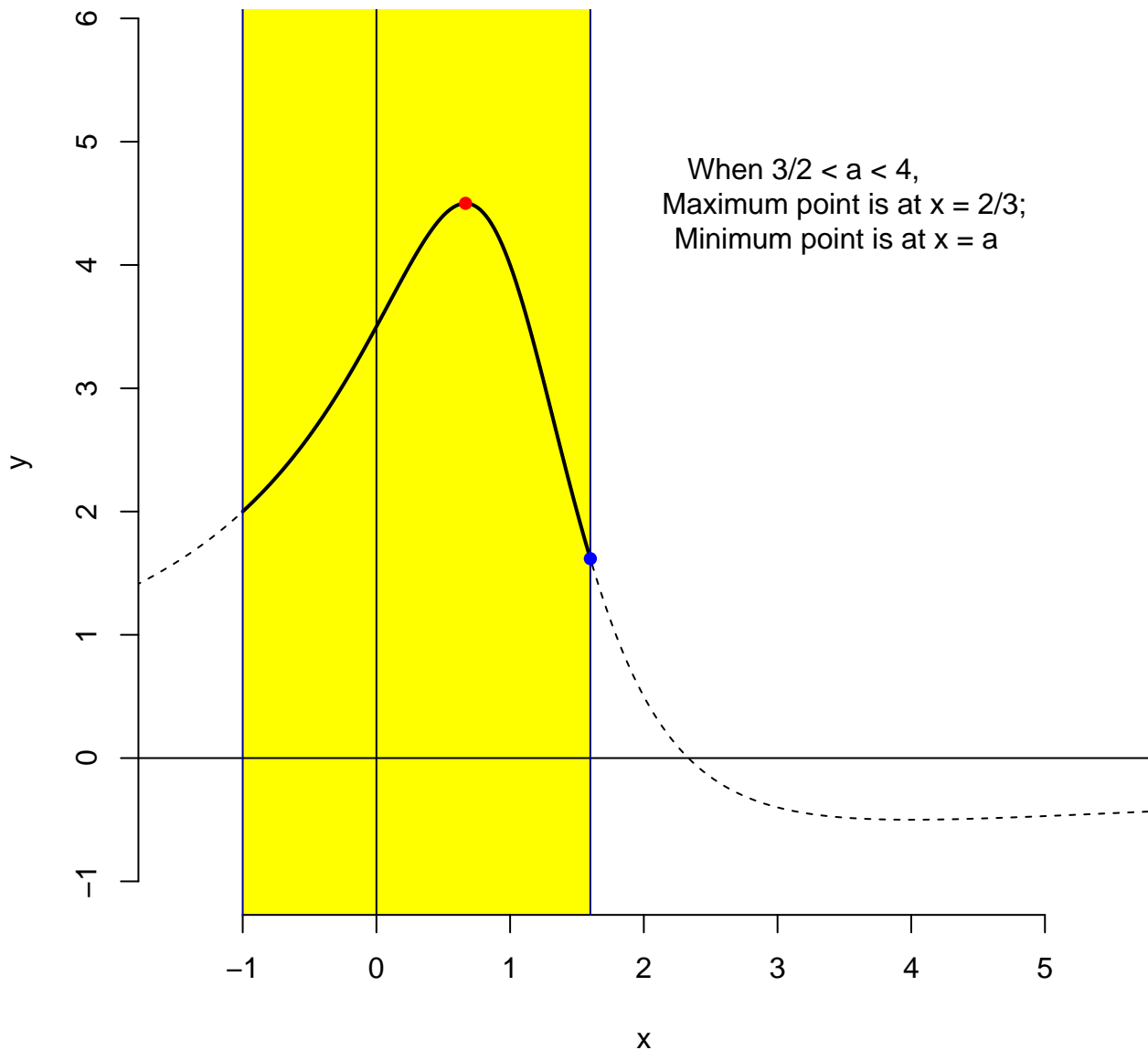
$$a = 1.58$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



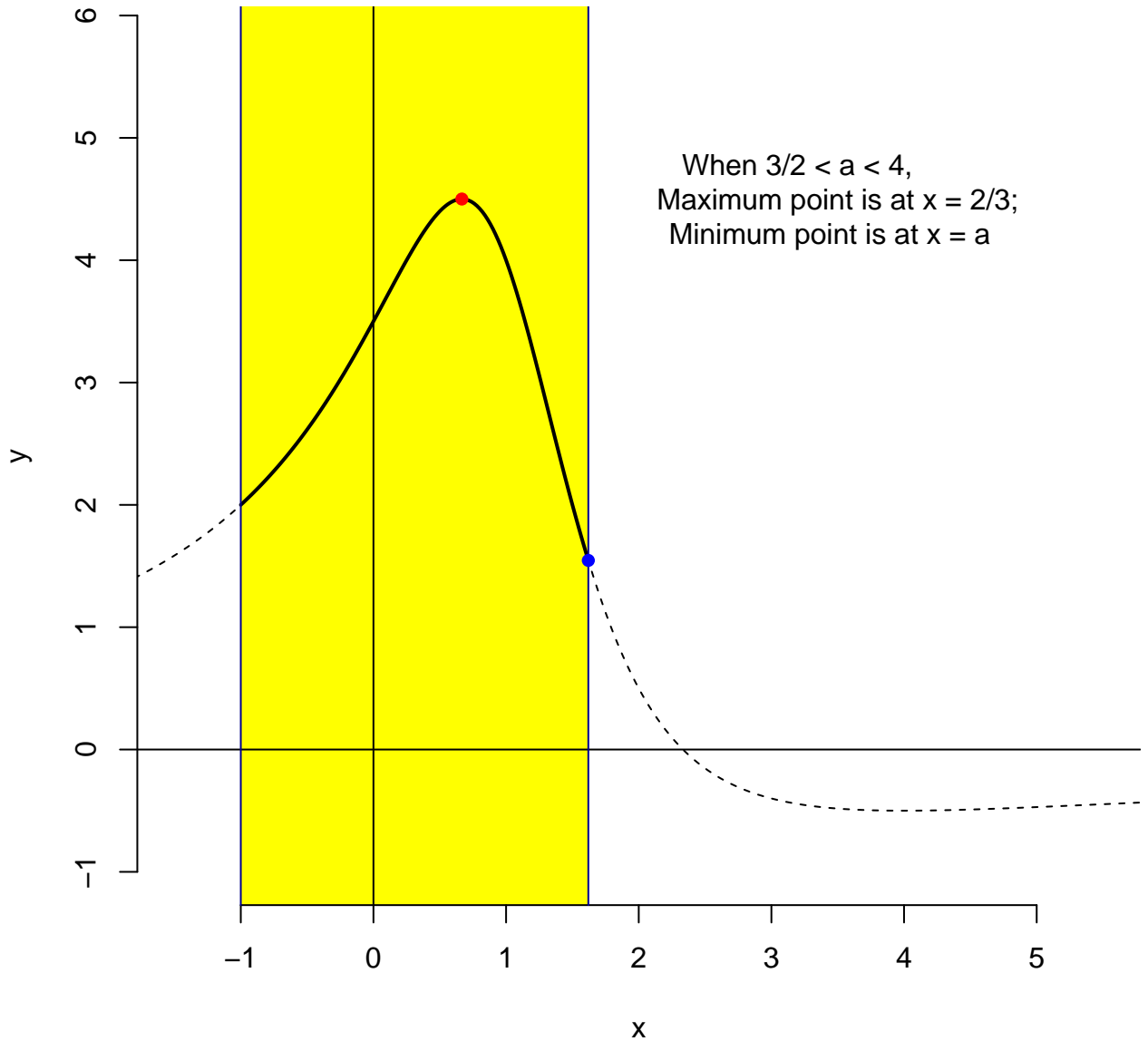
$a = 1.6$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



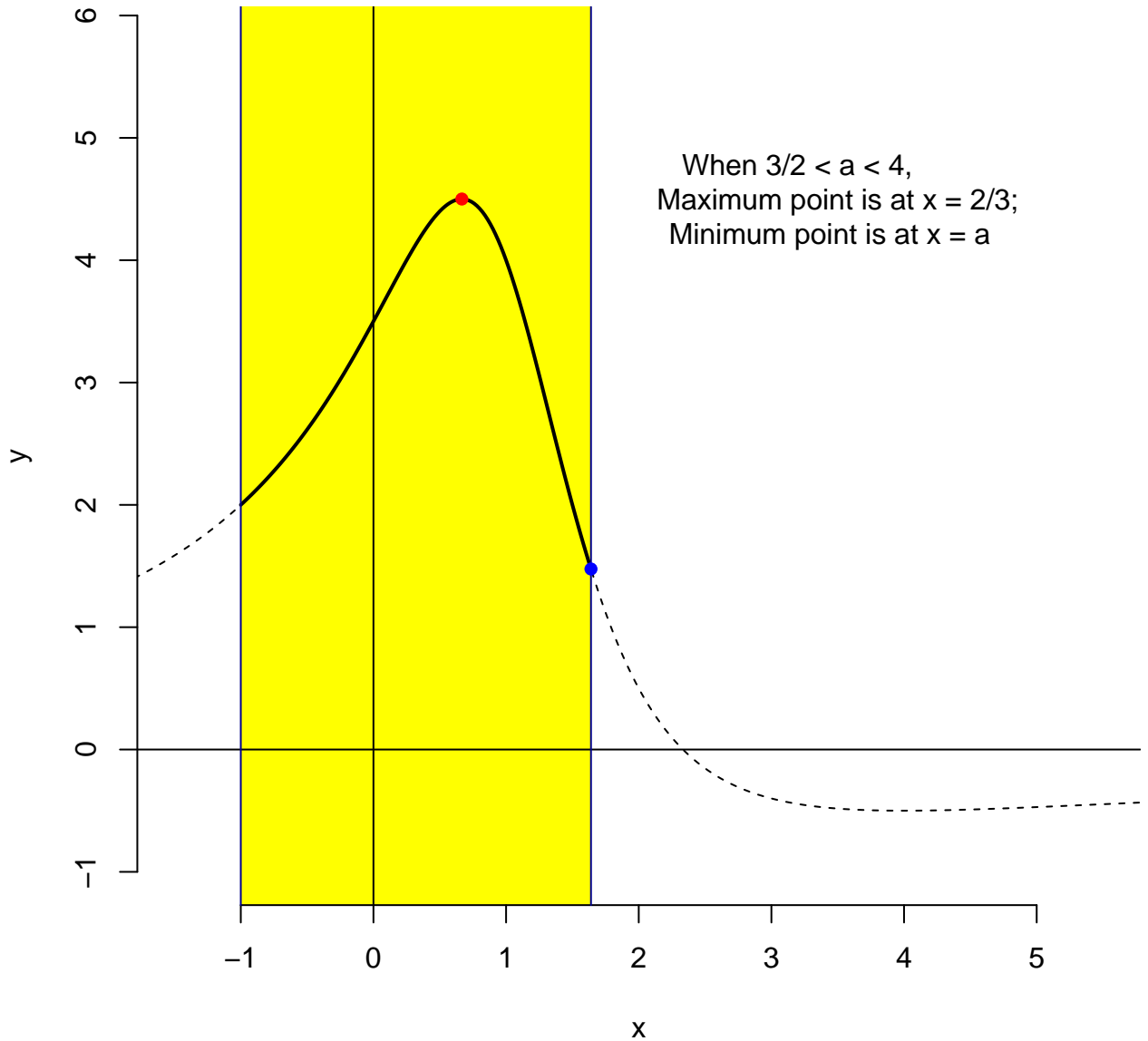
$$a = 1.62$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$

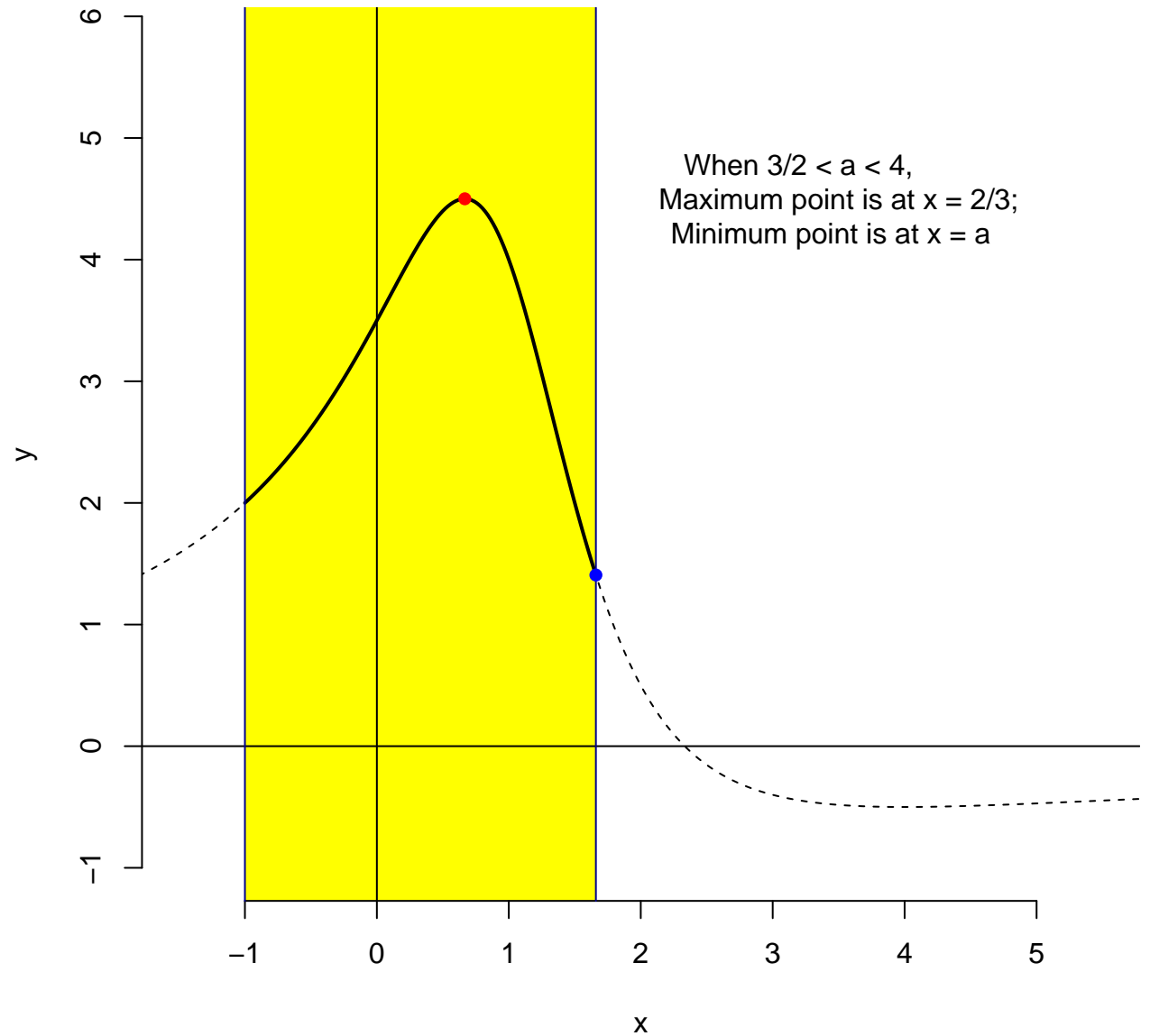


$$a = 1.64$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$

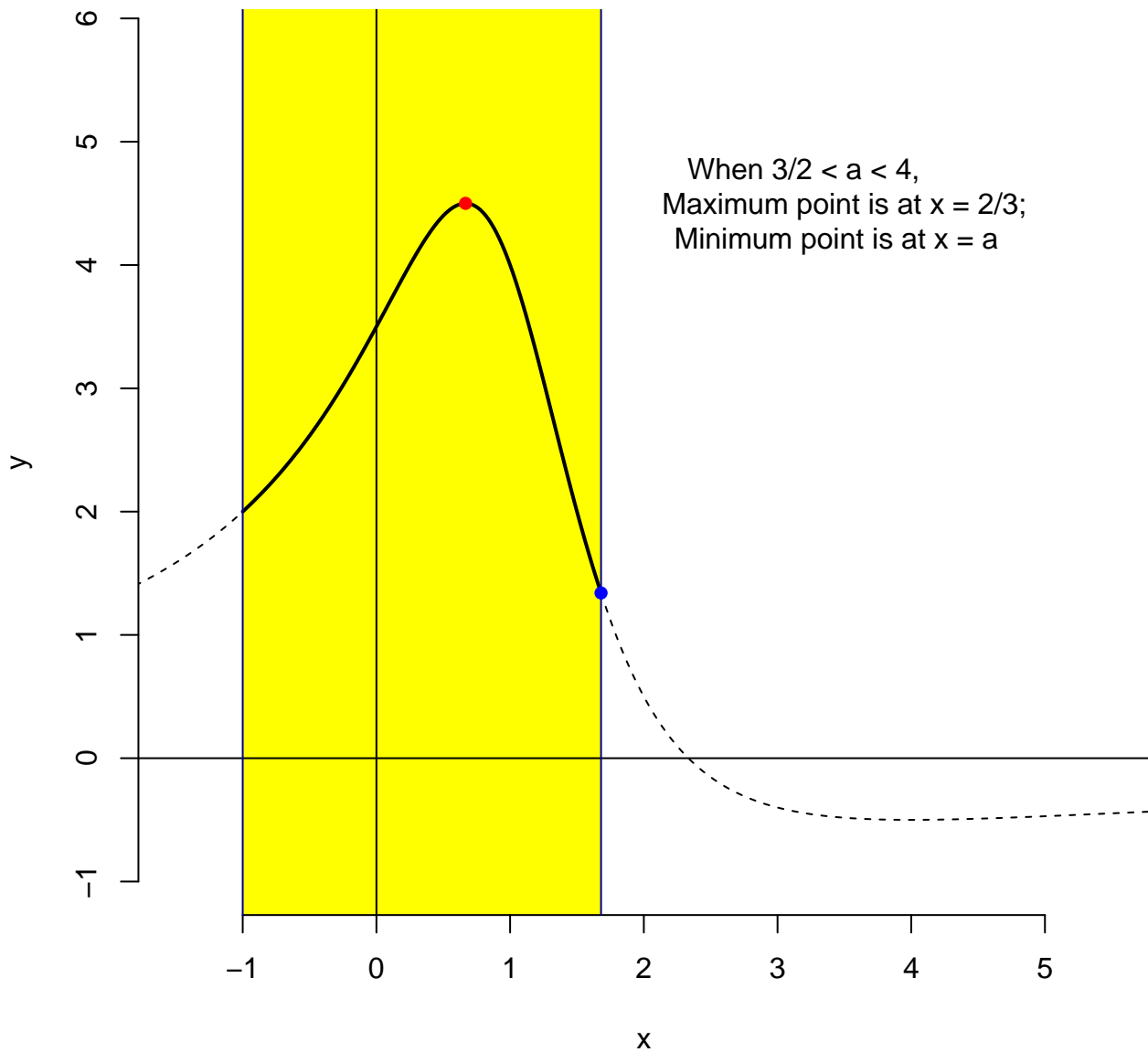


$a = 1.66$



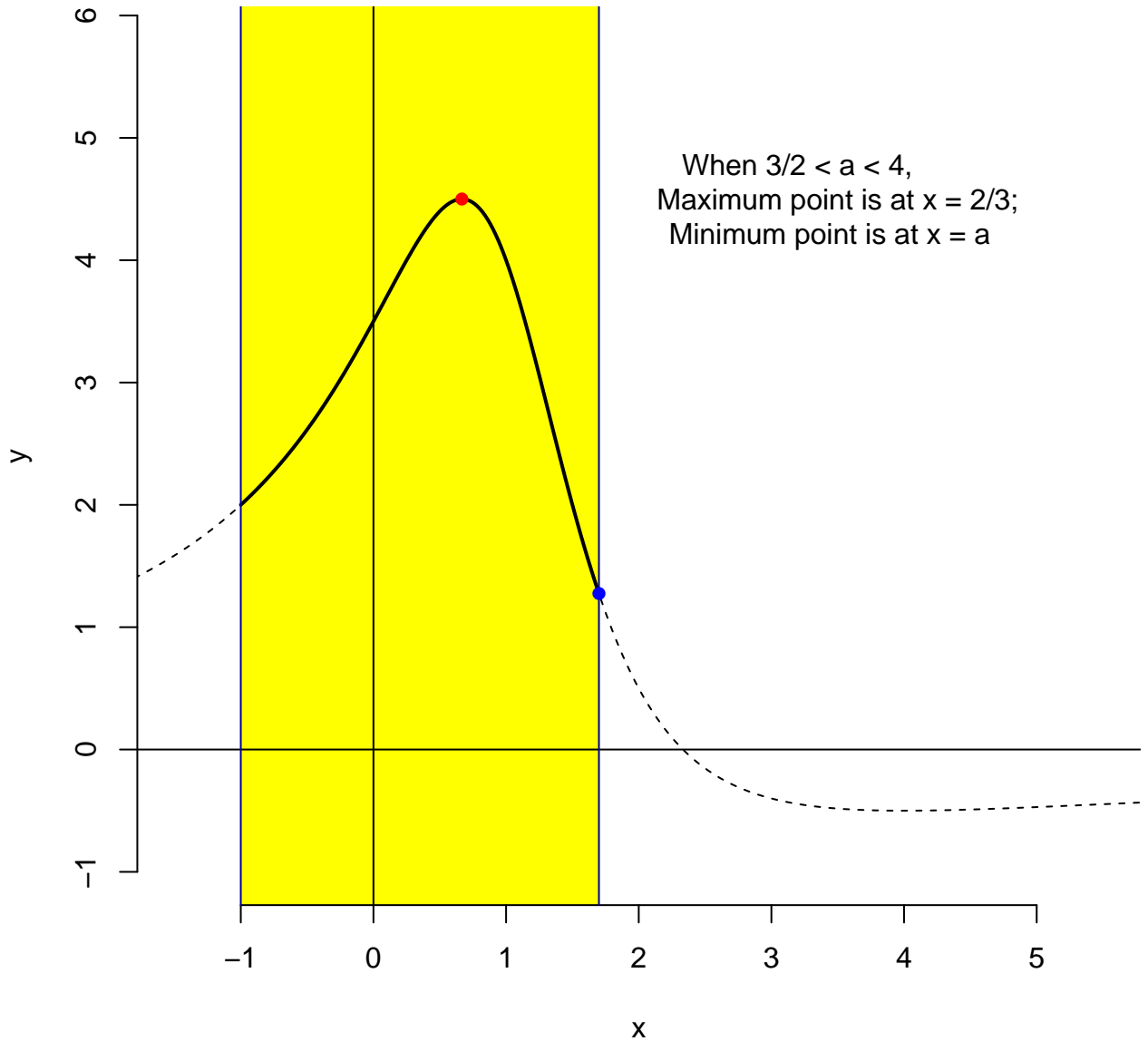
$a = 1.68$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



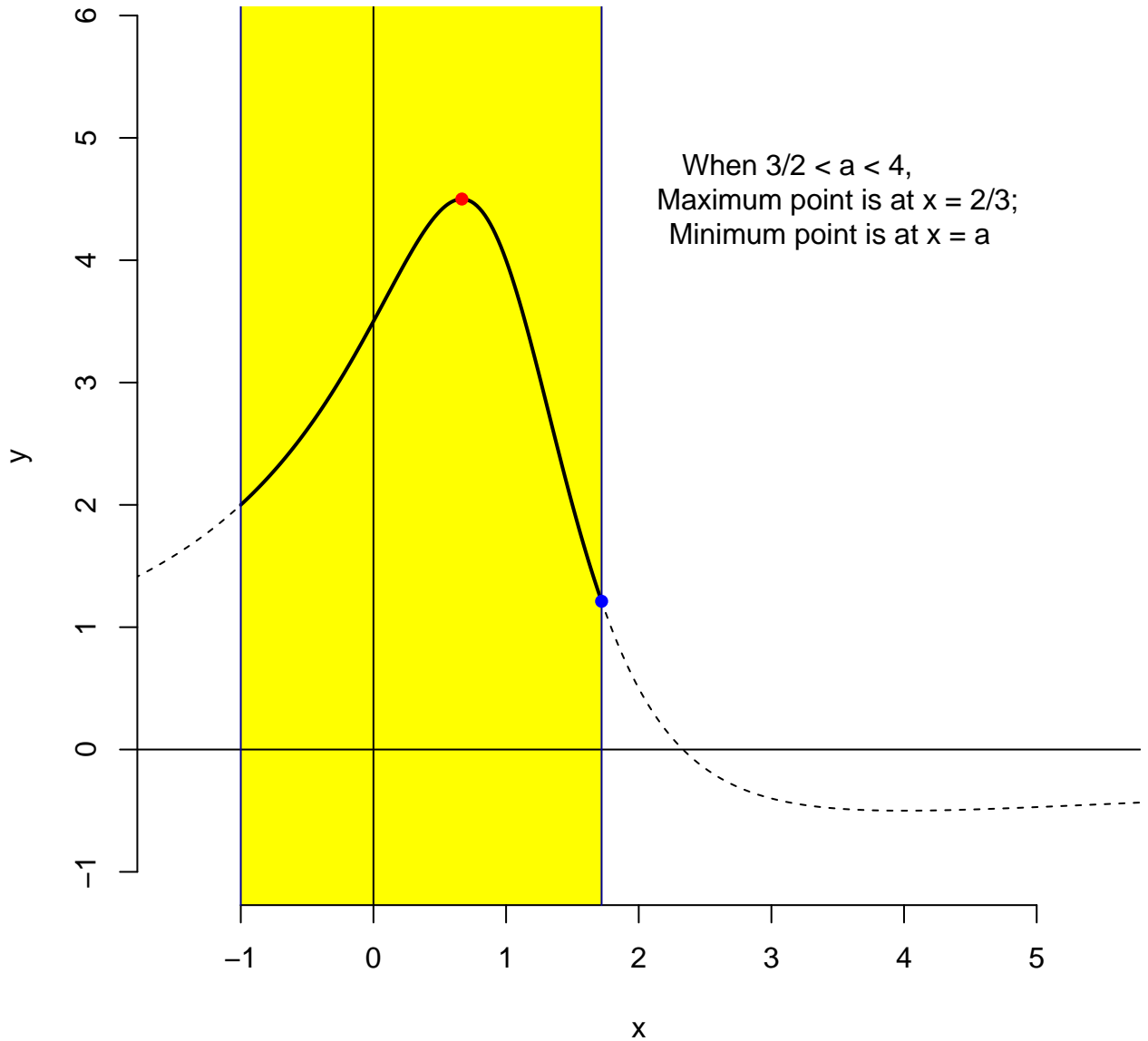
$a = 1.7$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



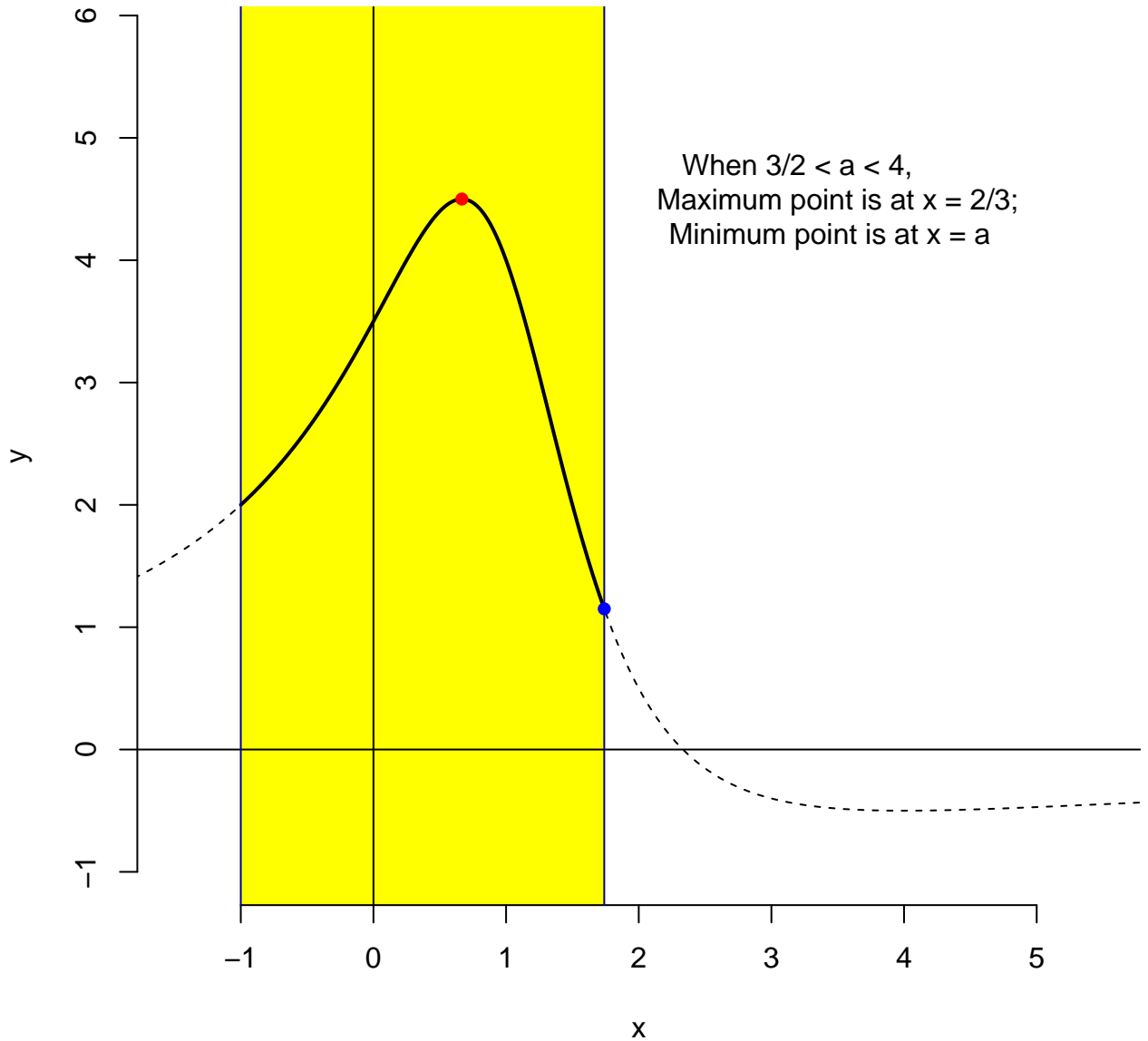
$a = 1.72$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



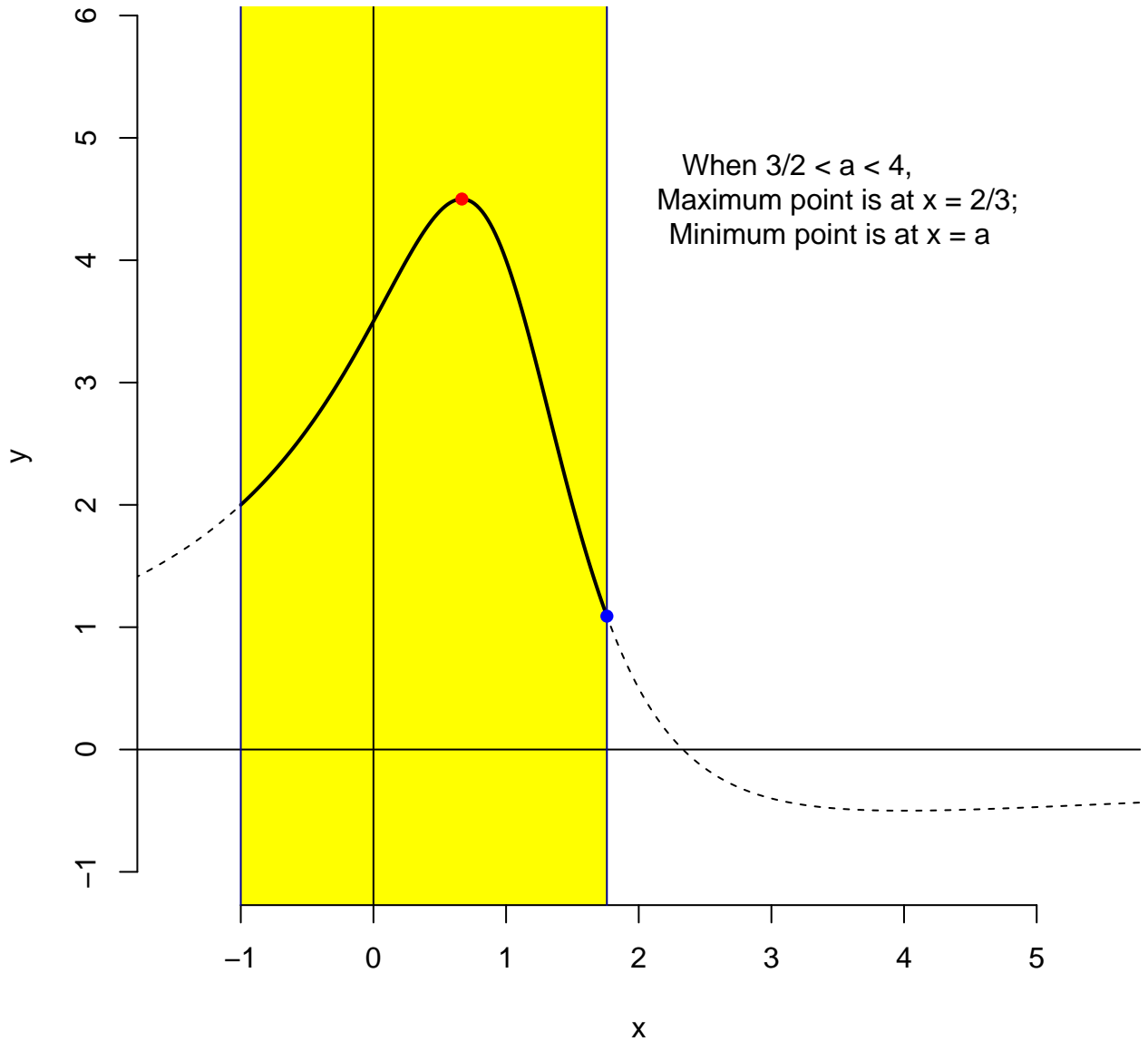
$$a = 1.74$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



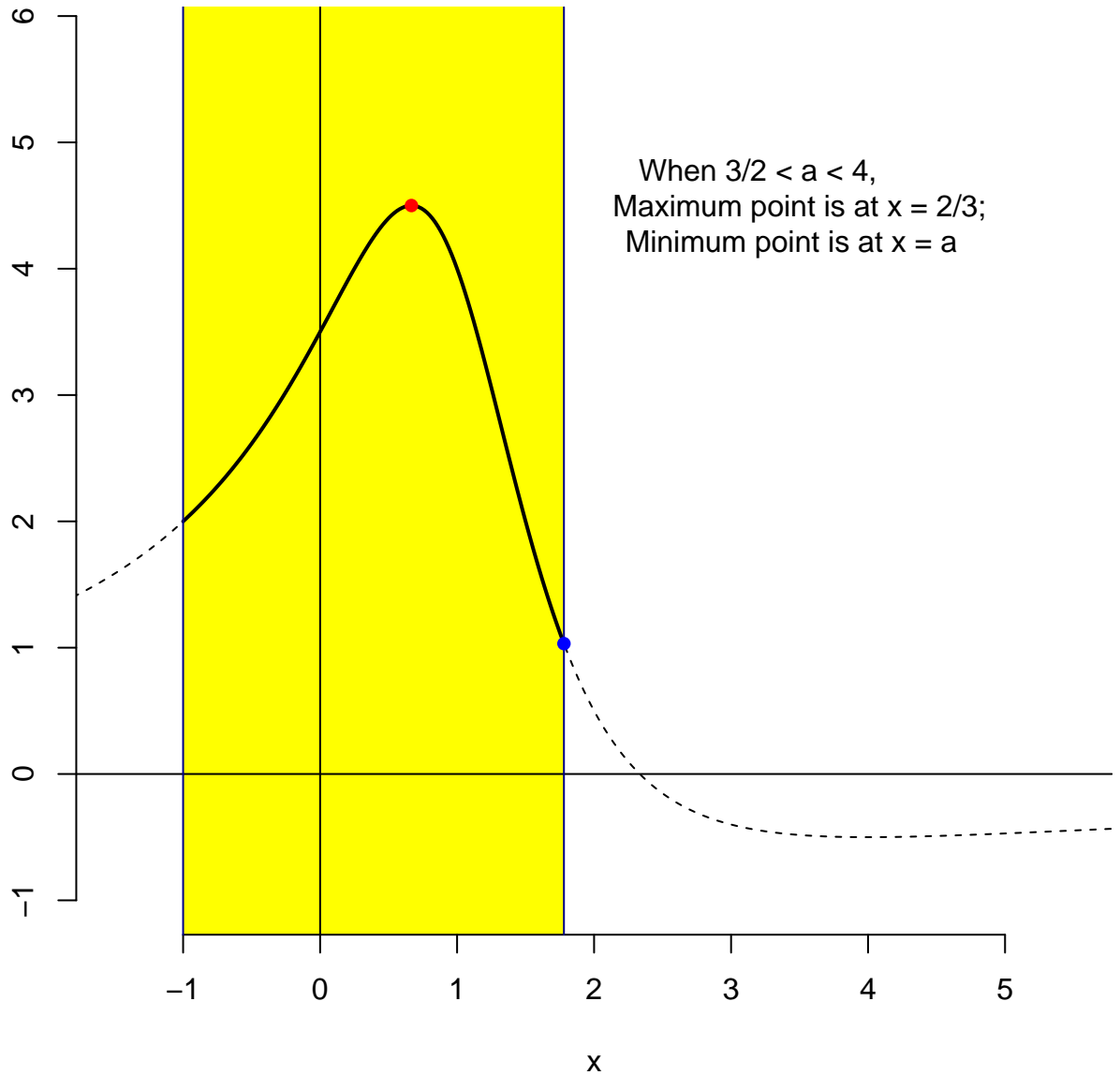
$$a = 1.76$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



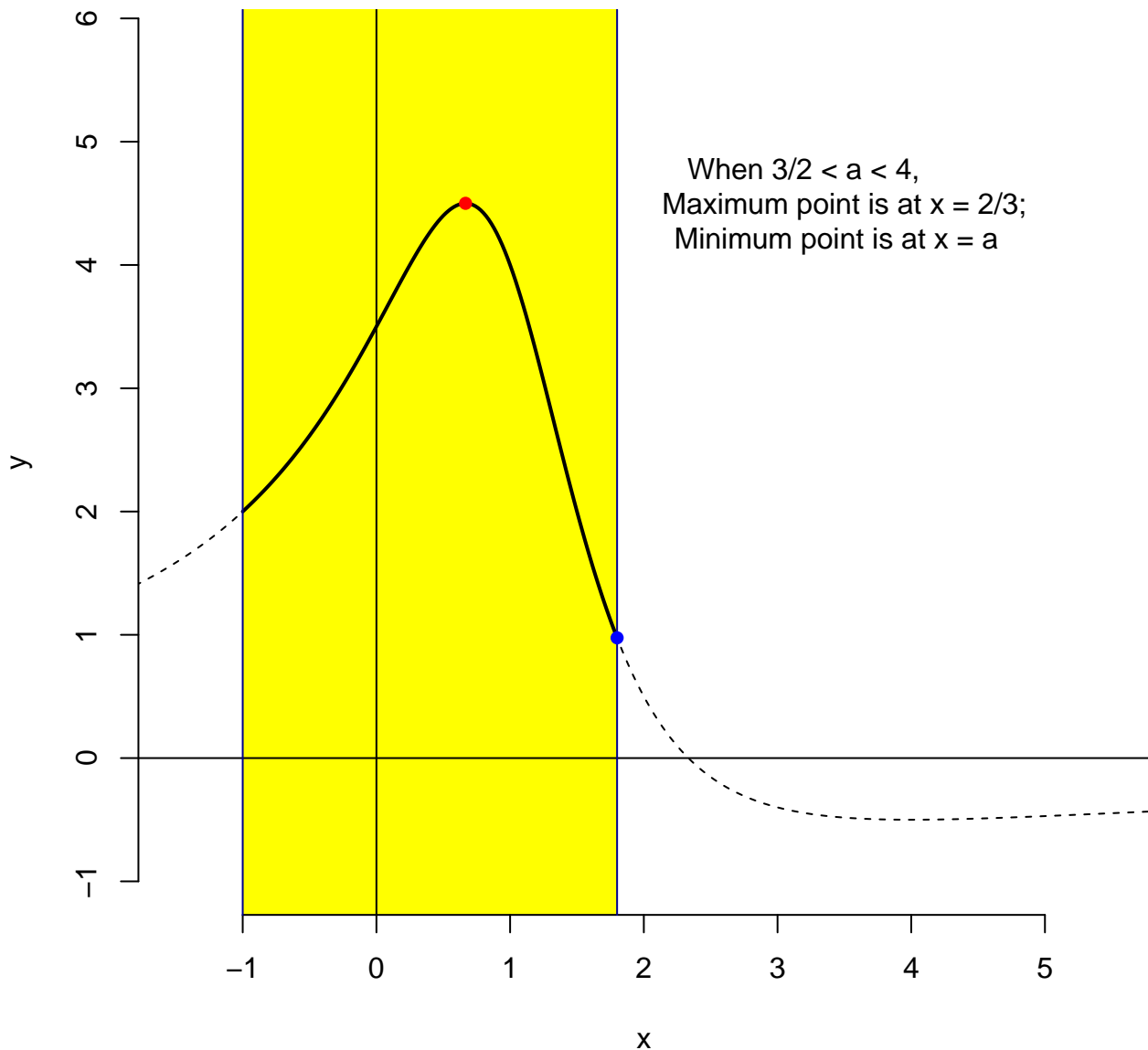
$$a = 1.78$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



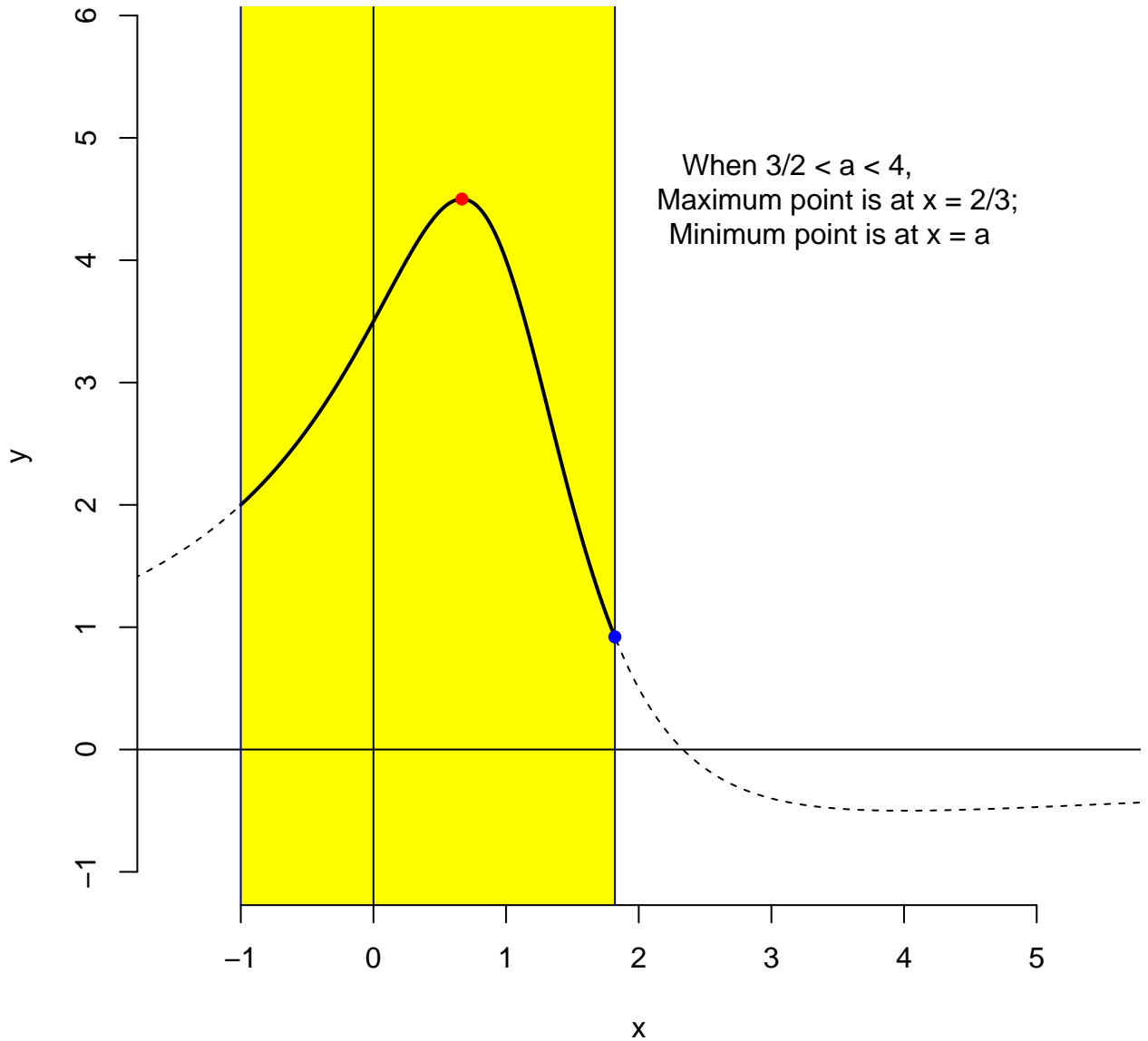
$$a = 1.8$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



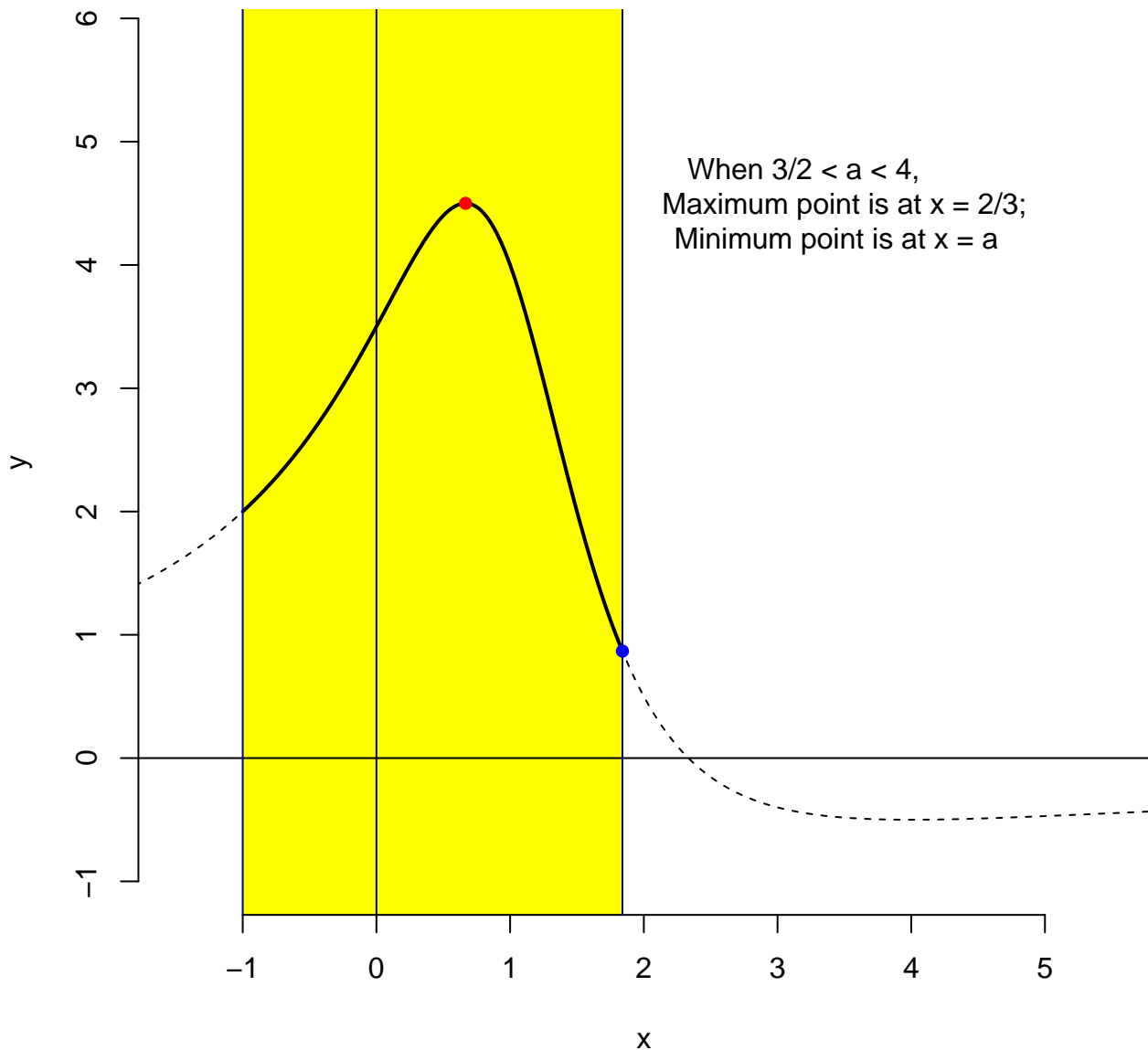
$$a = 1.82$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



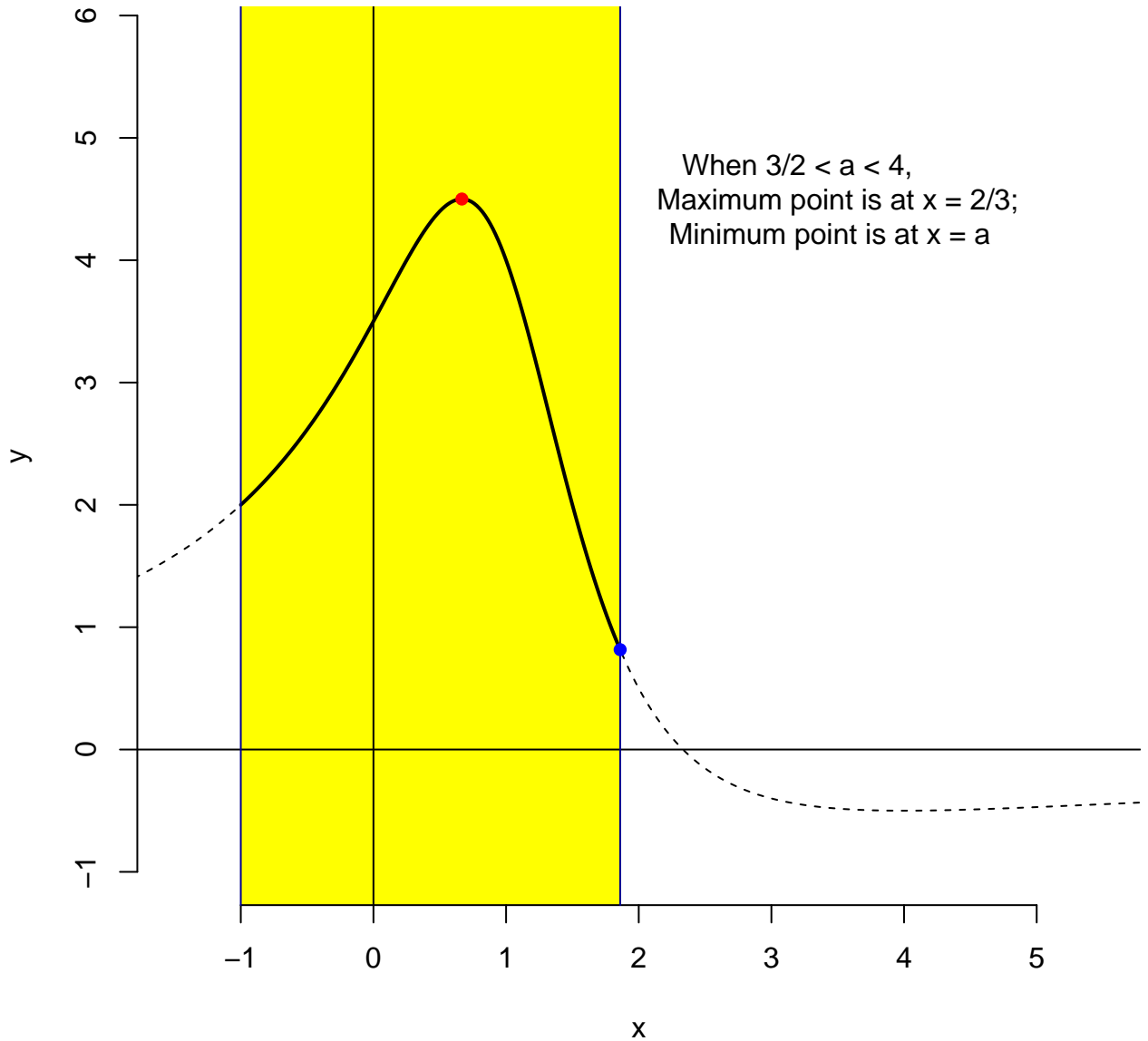
$$a = 1.84$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



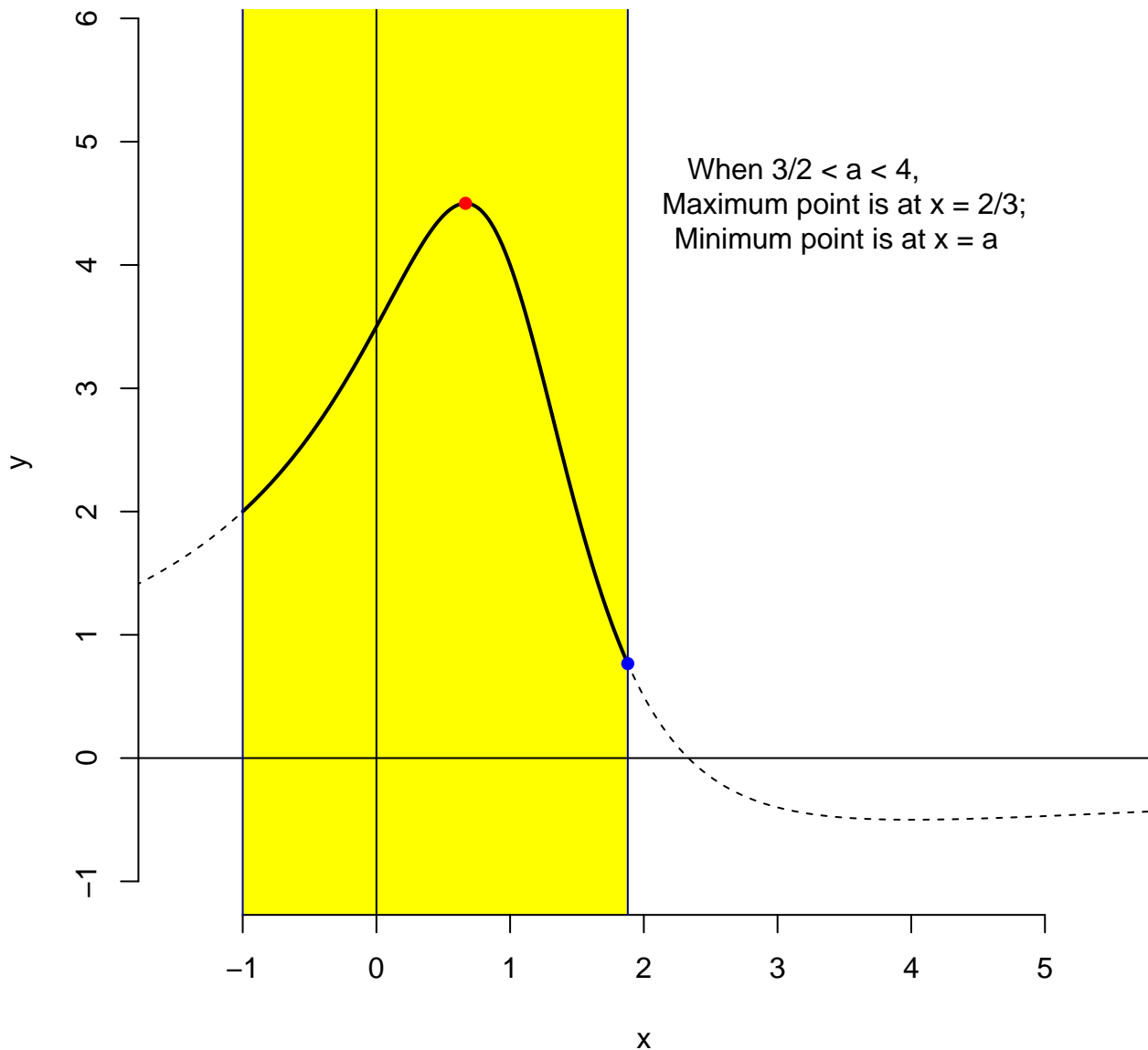
$$a = 1.86$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



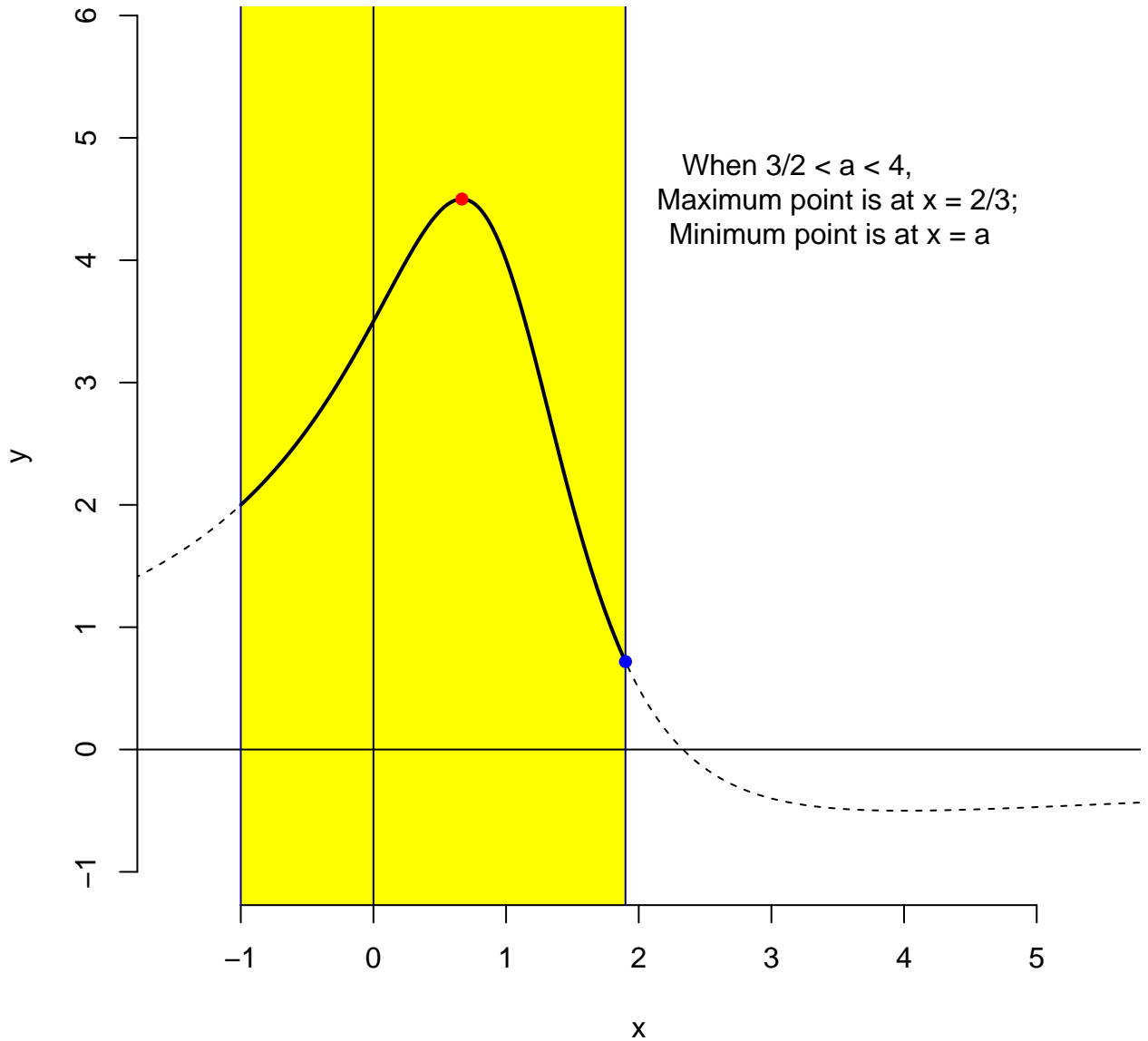
$$a = 1.88$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



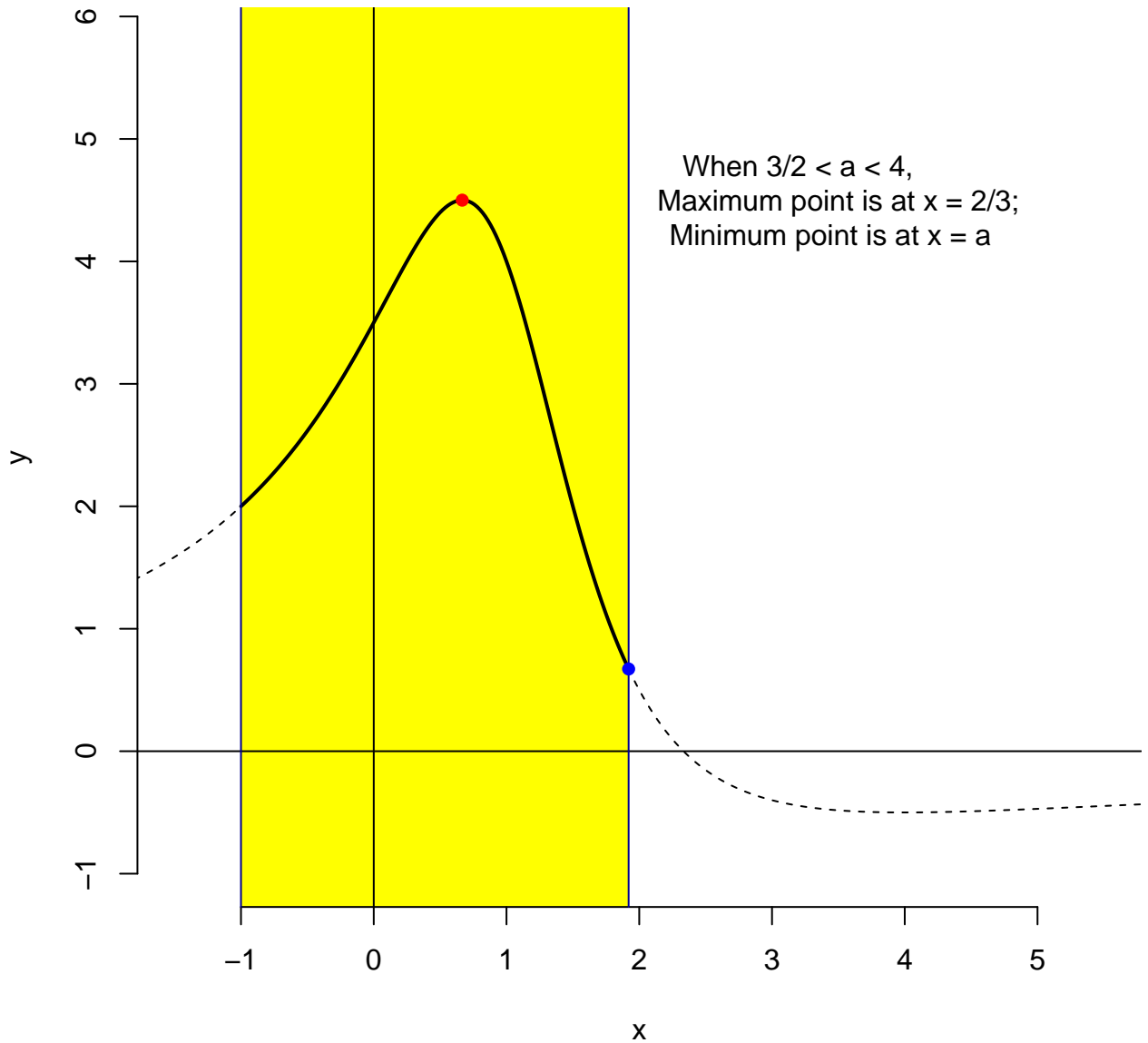
$a = 1.9$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



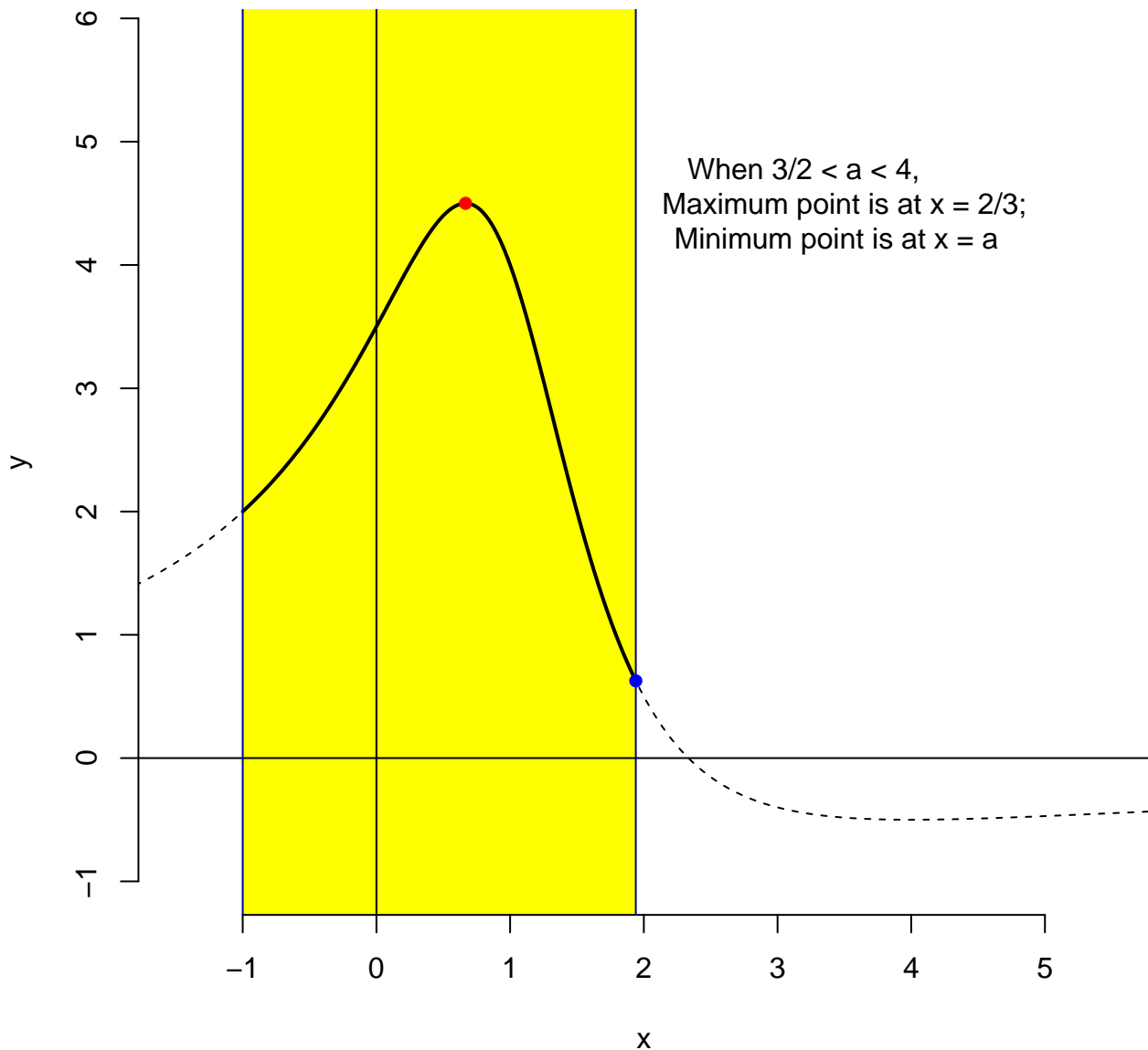
$a = 1.92$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



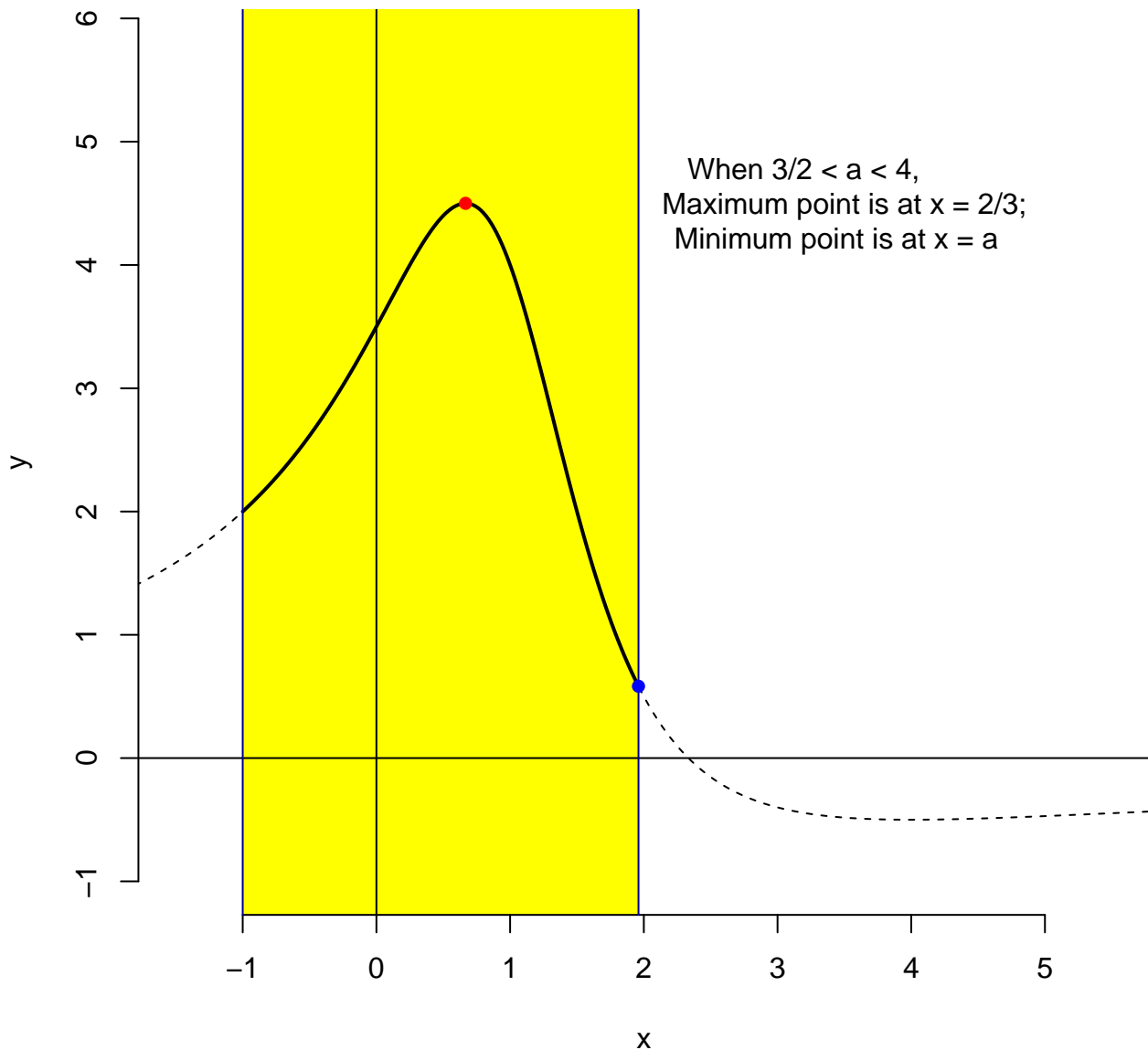
$a = 1.94$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



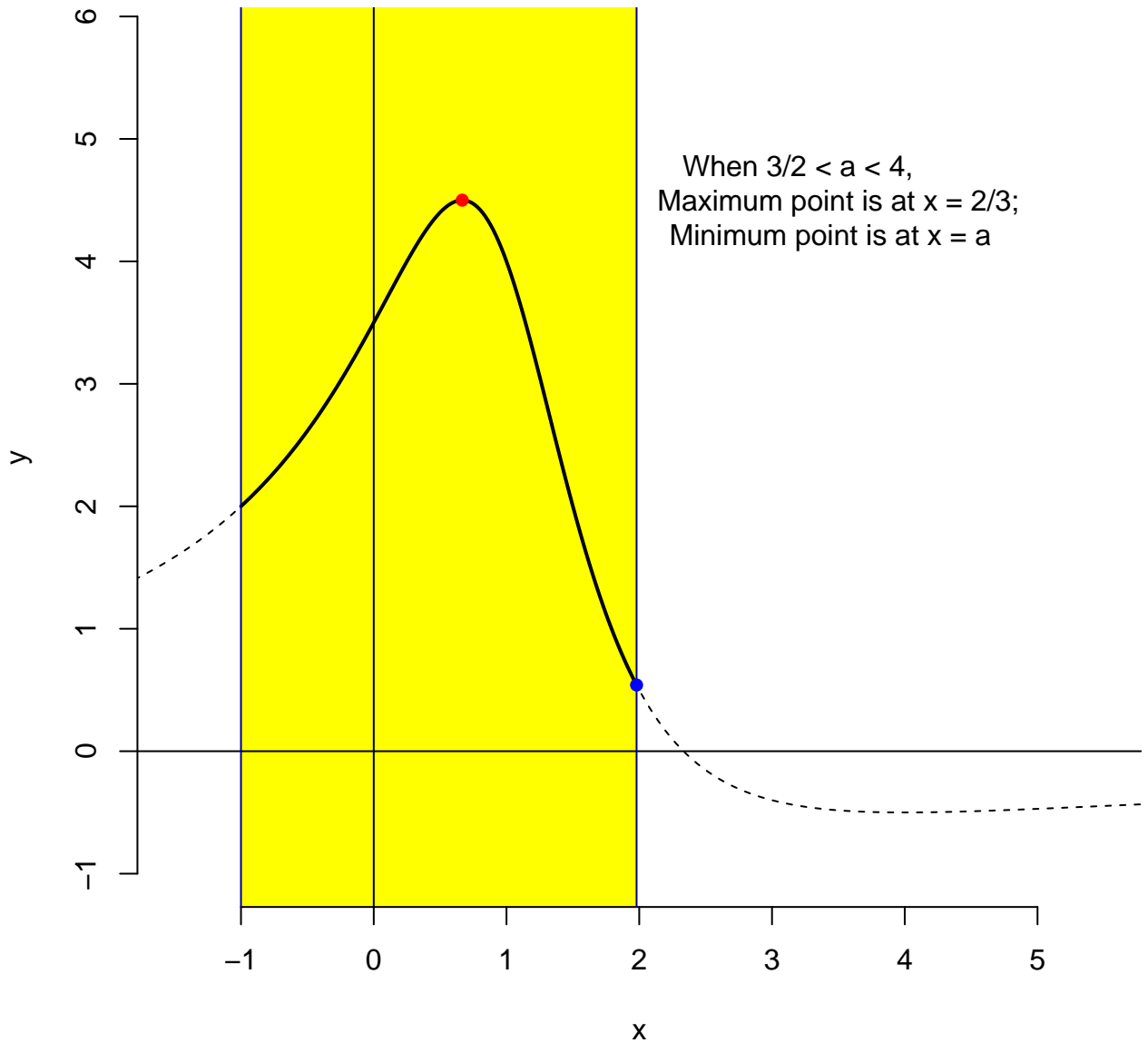
$$a = 1.96$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



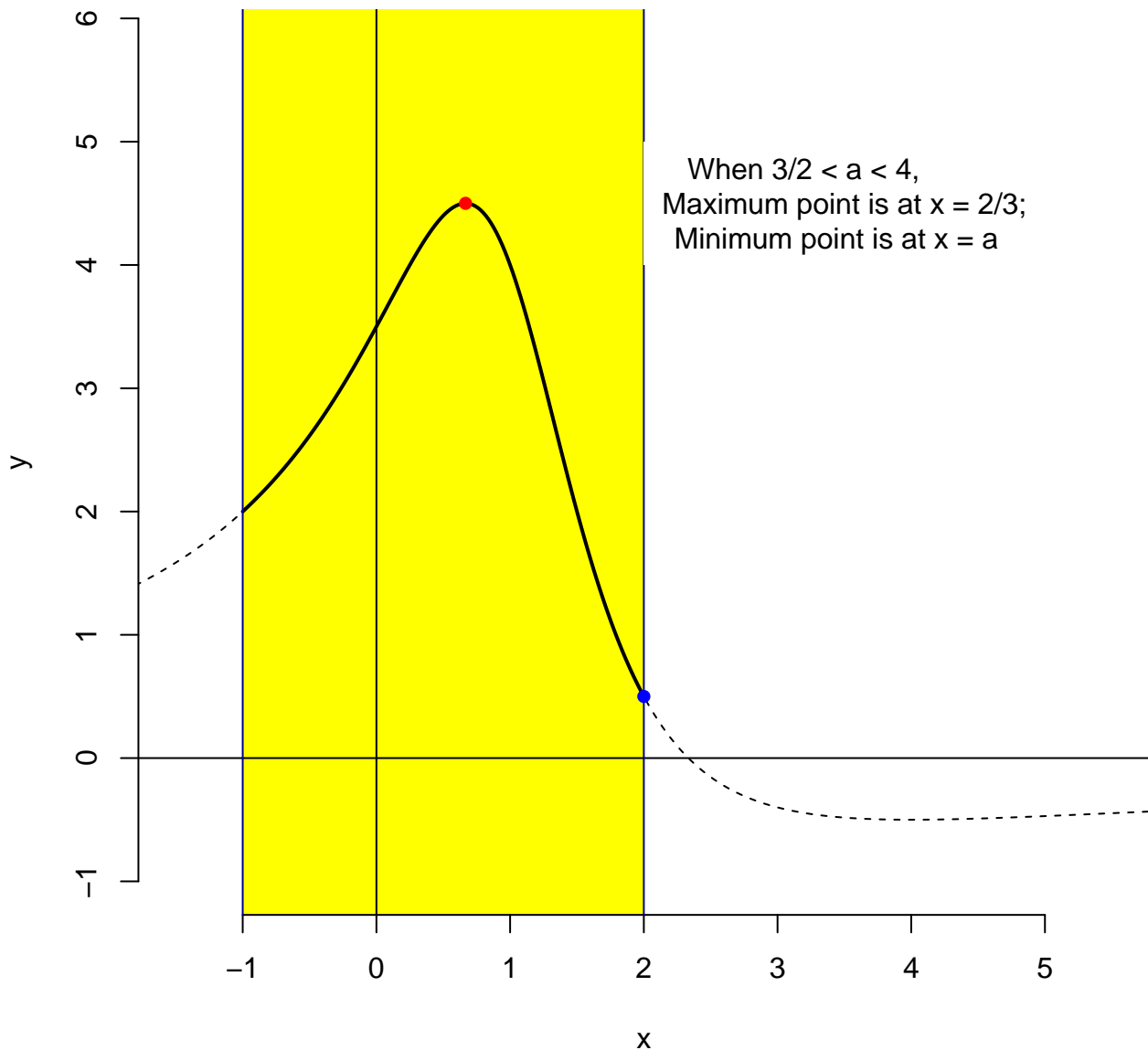
$$a = 1.98$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



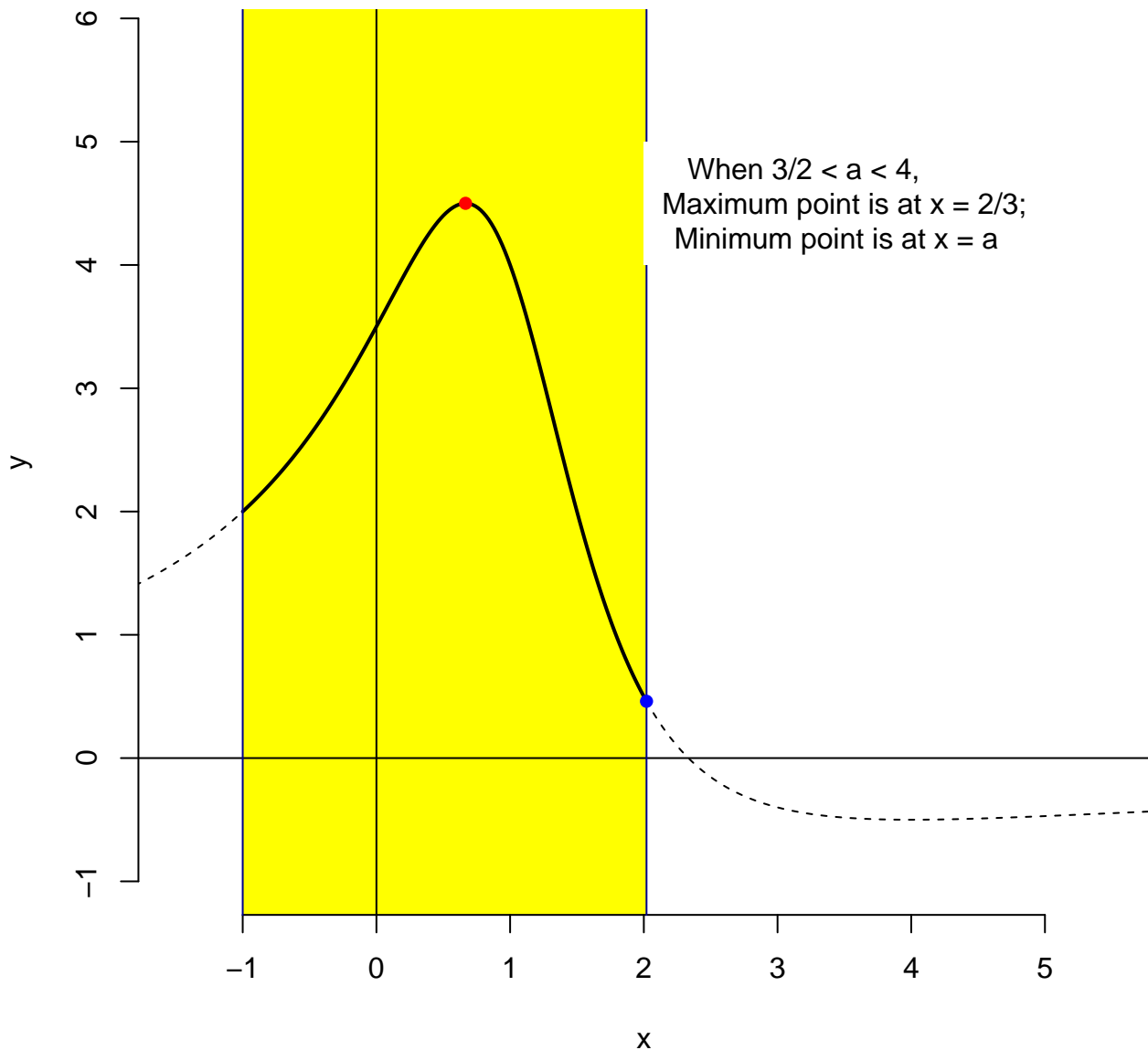
$$a = 2$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



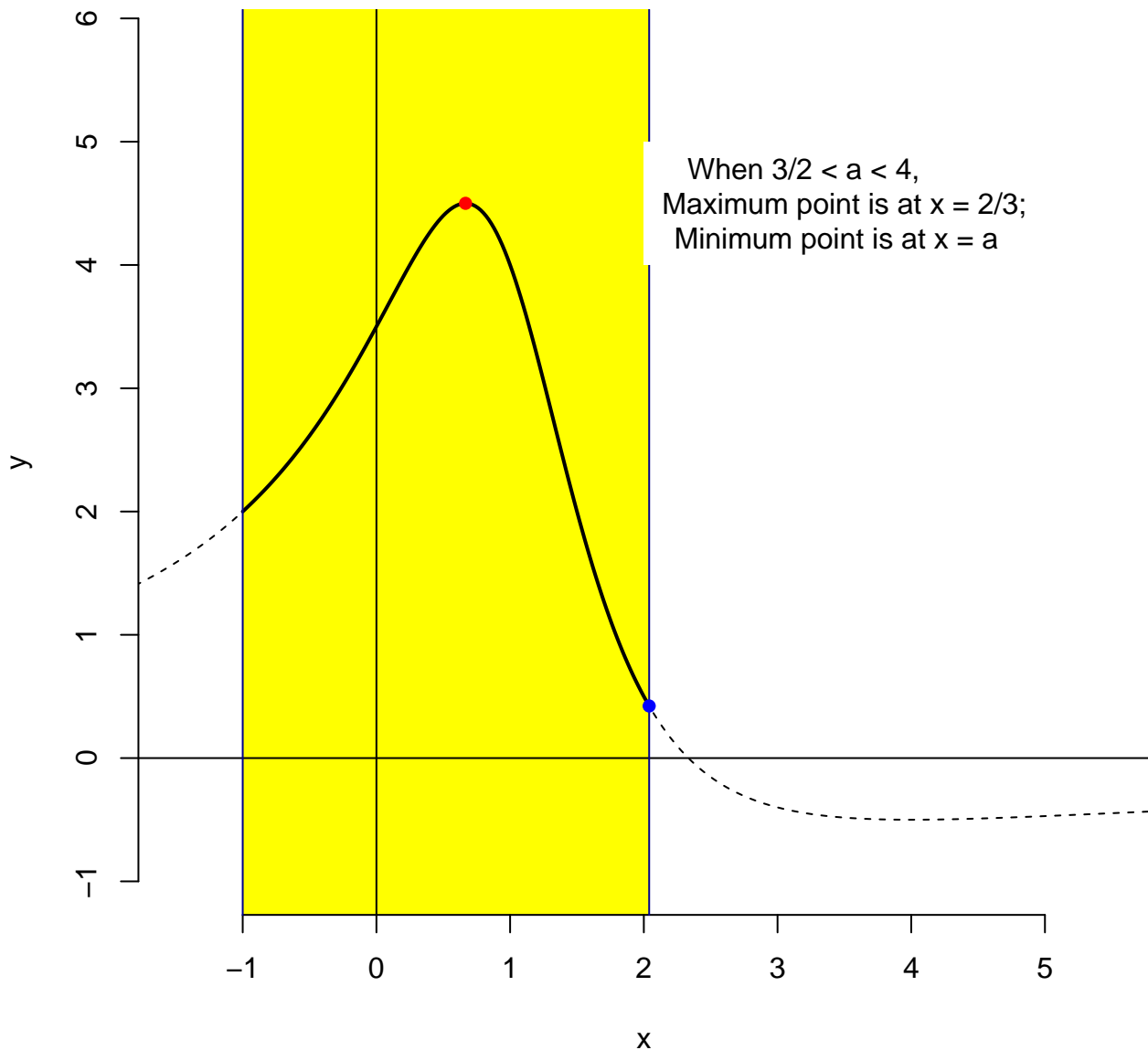
$$a = 2.02$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



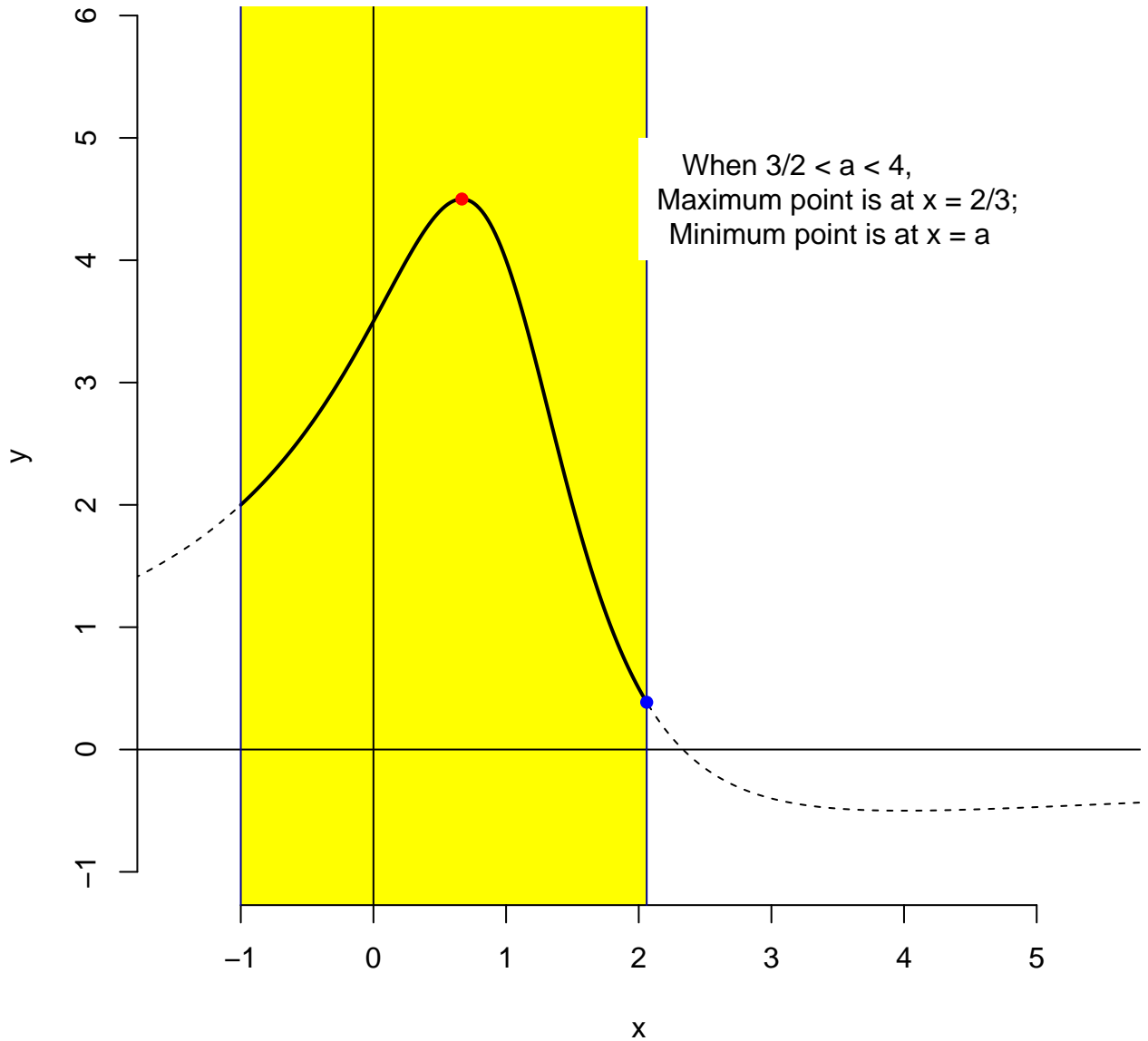
$$a = 2.04$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



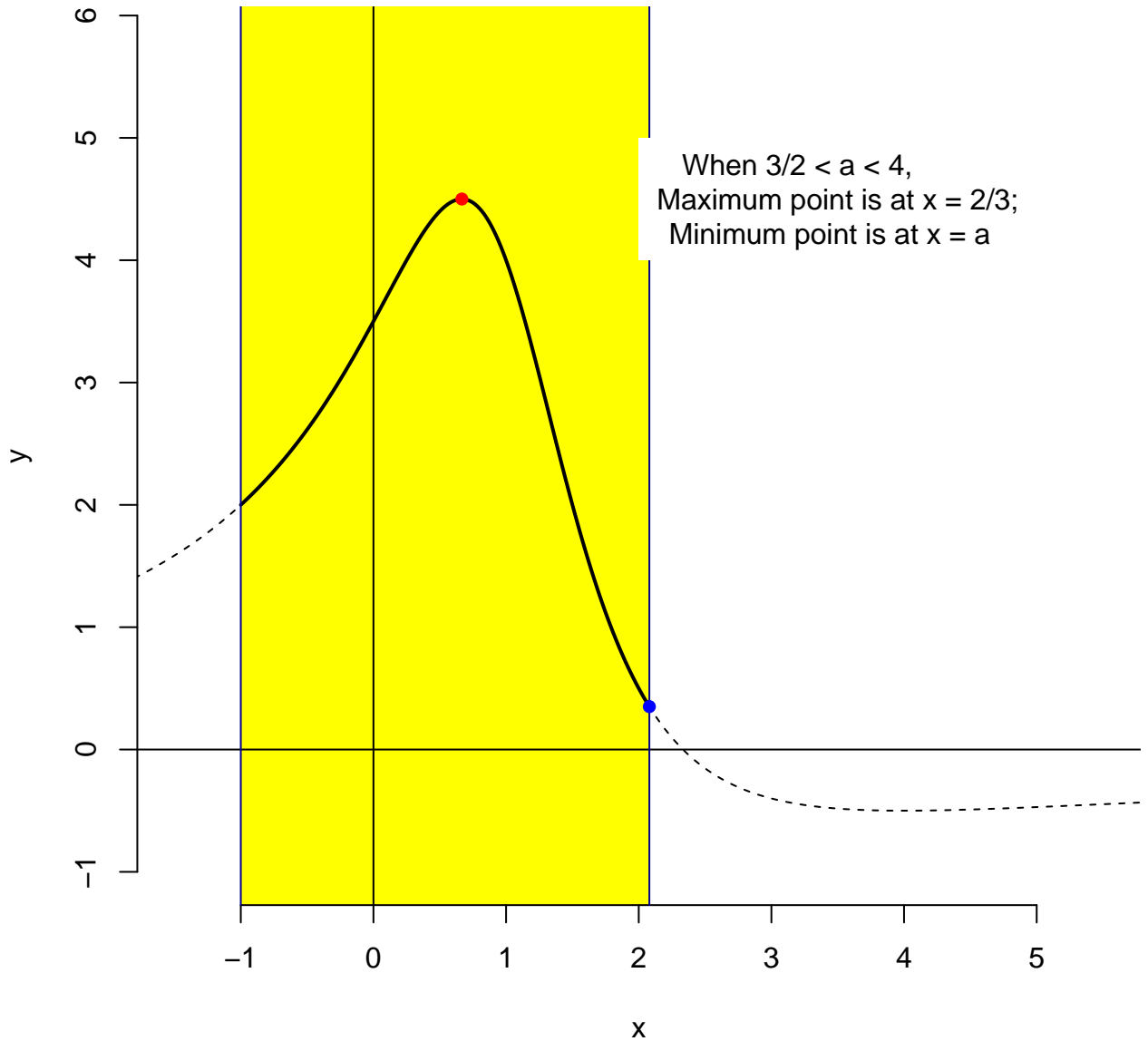
$$a = 2.06$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



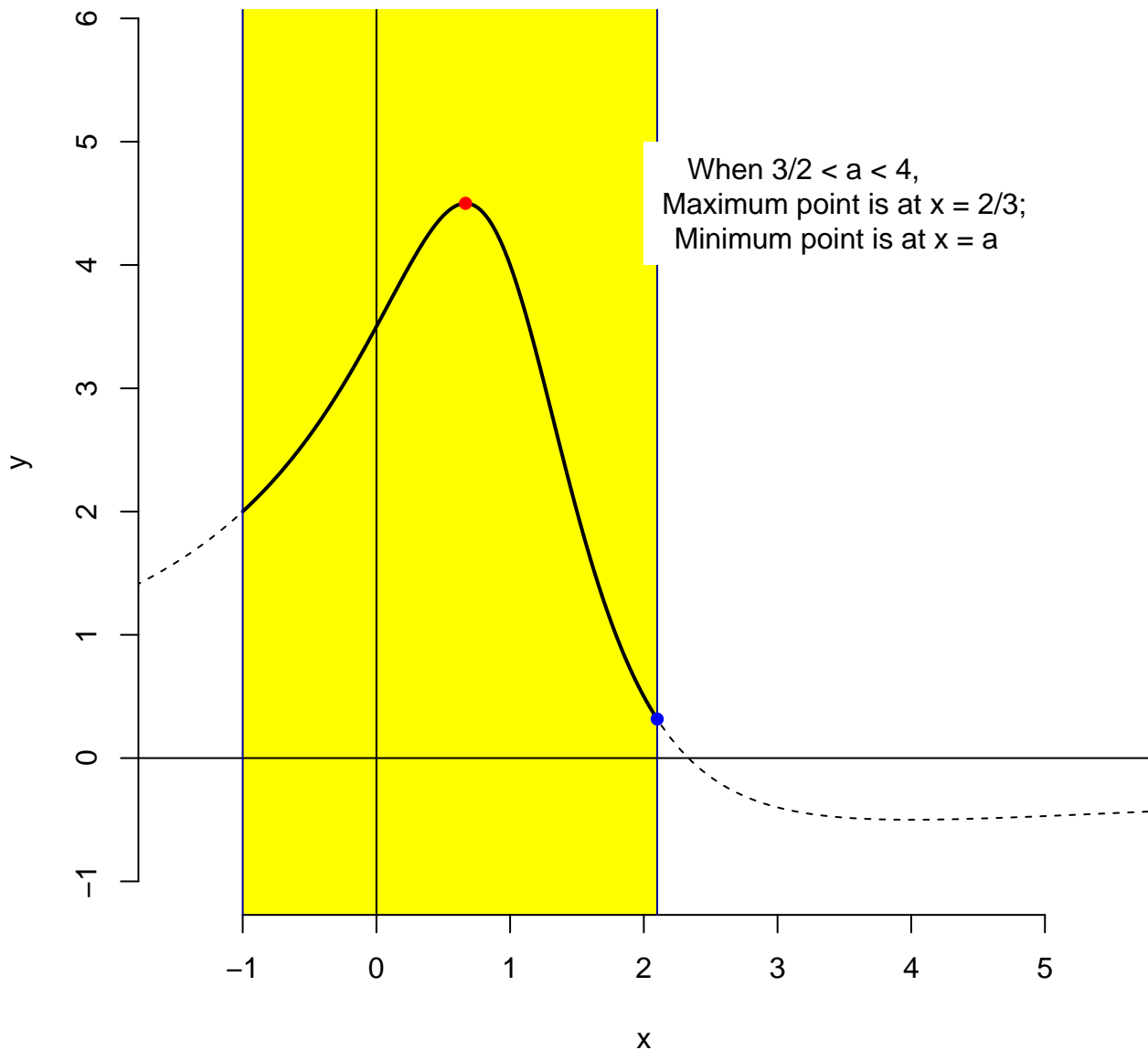
$$a = 2.08$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



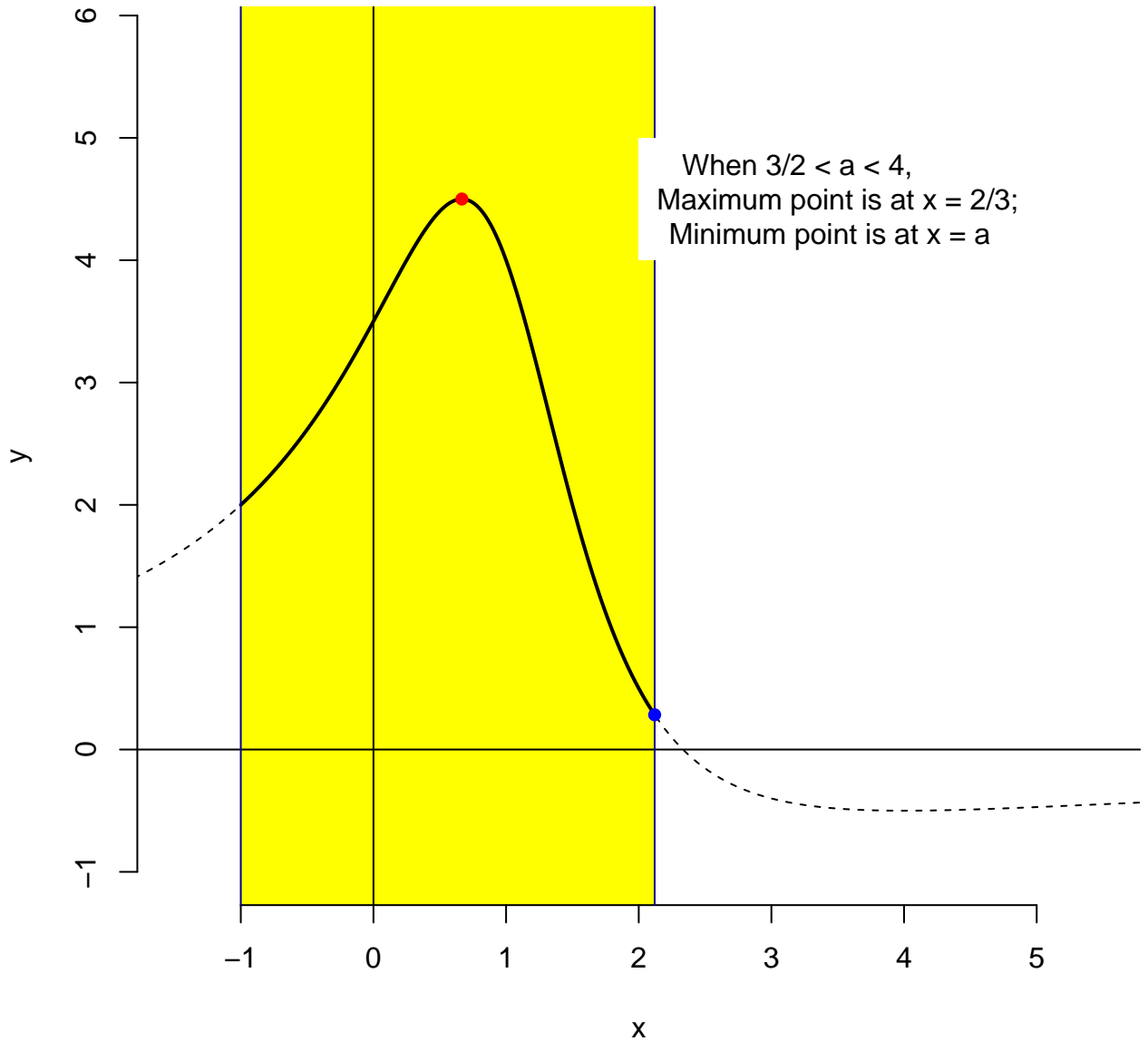
$a = 2.1$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



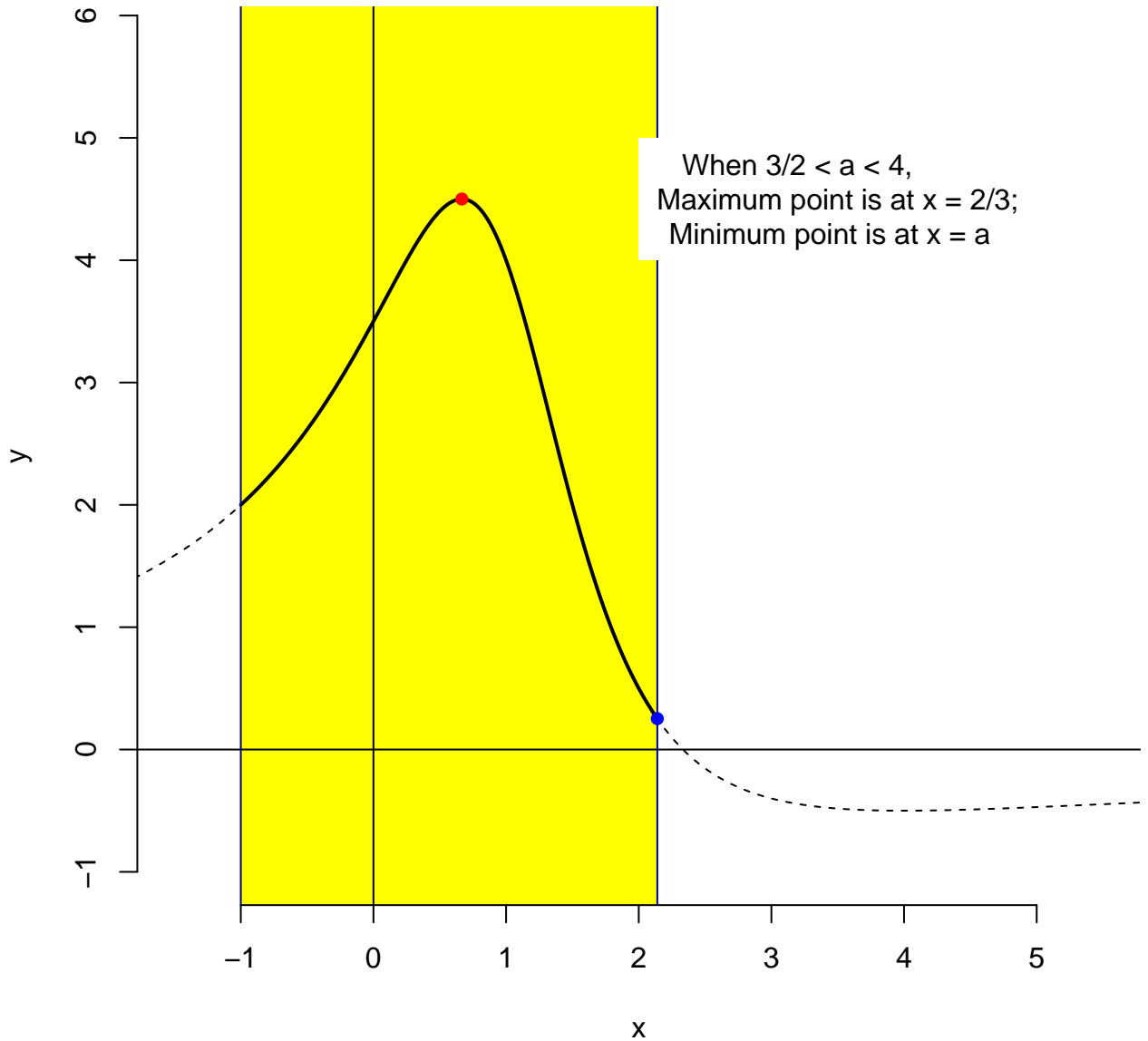
$$a = 2.12$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



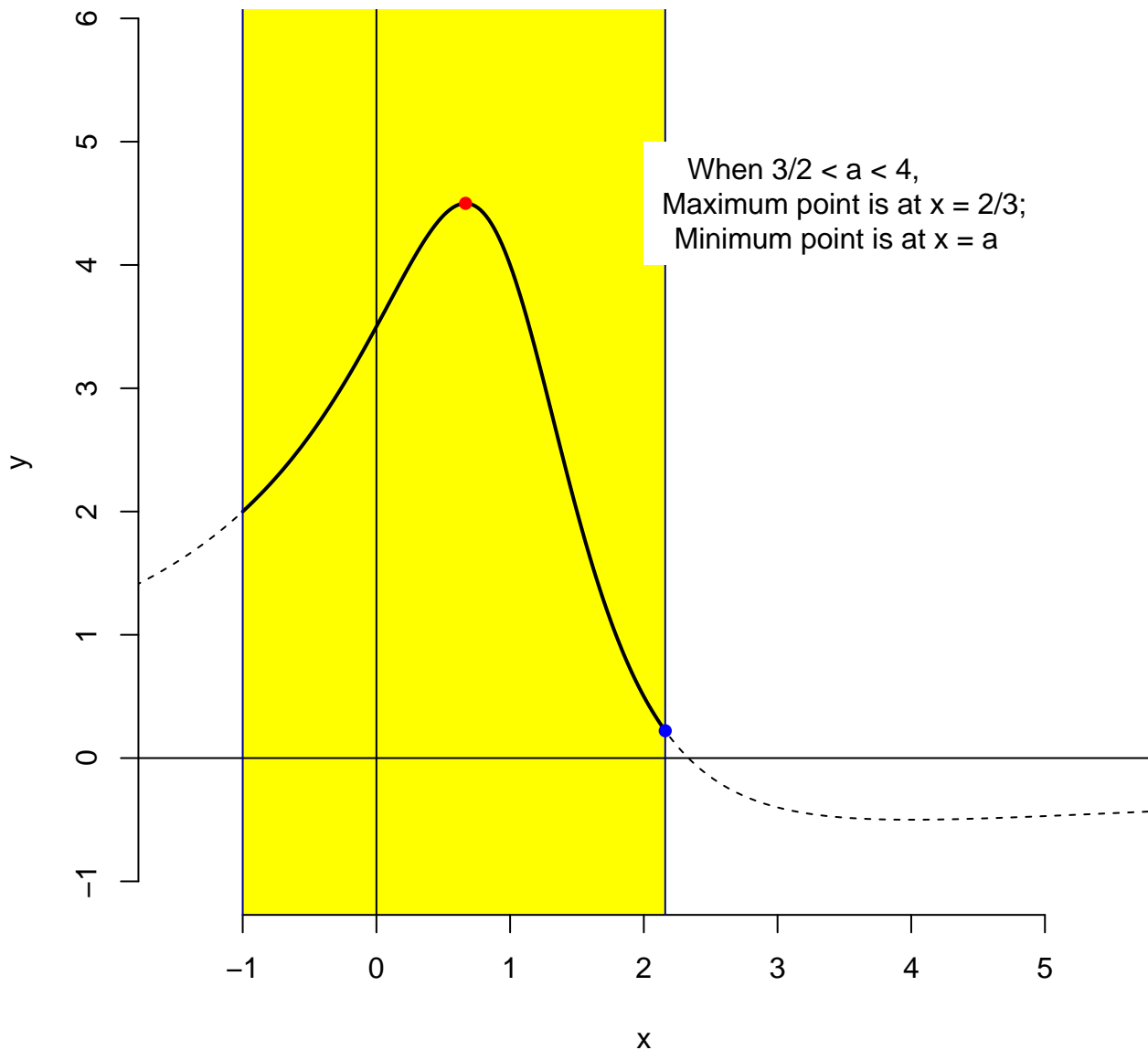
$a = 2.14$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



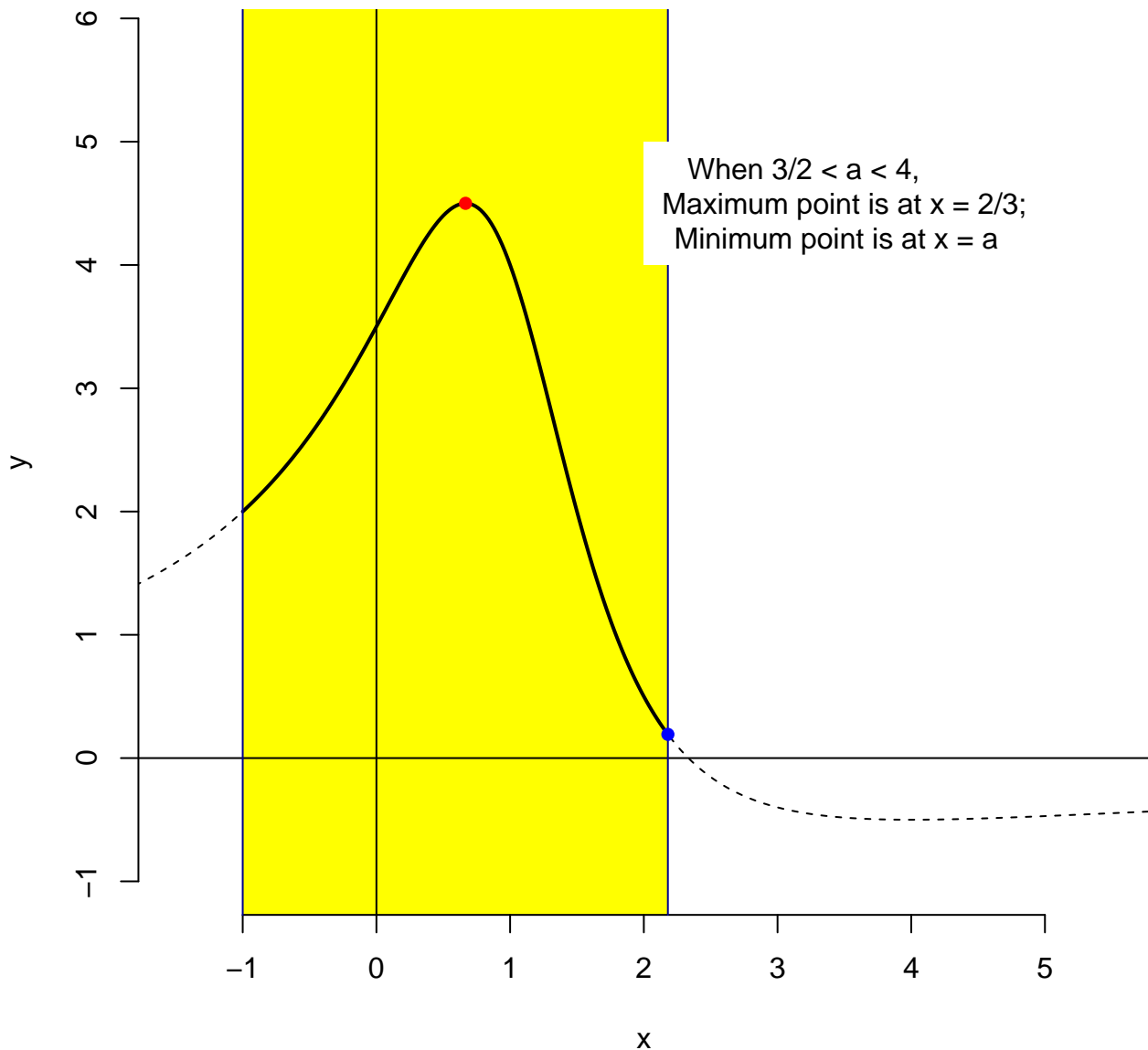
$a = 2.16$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



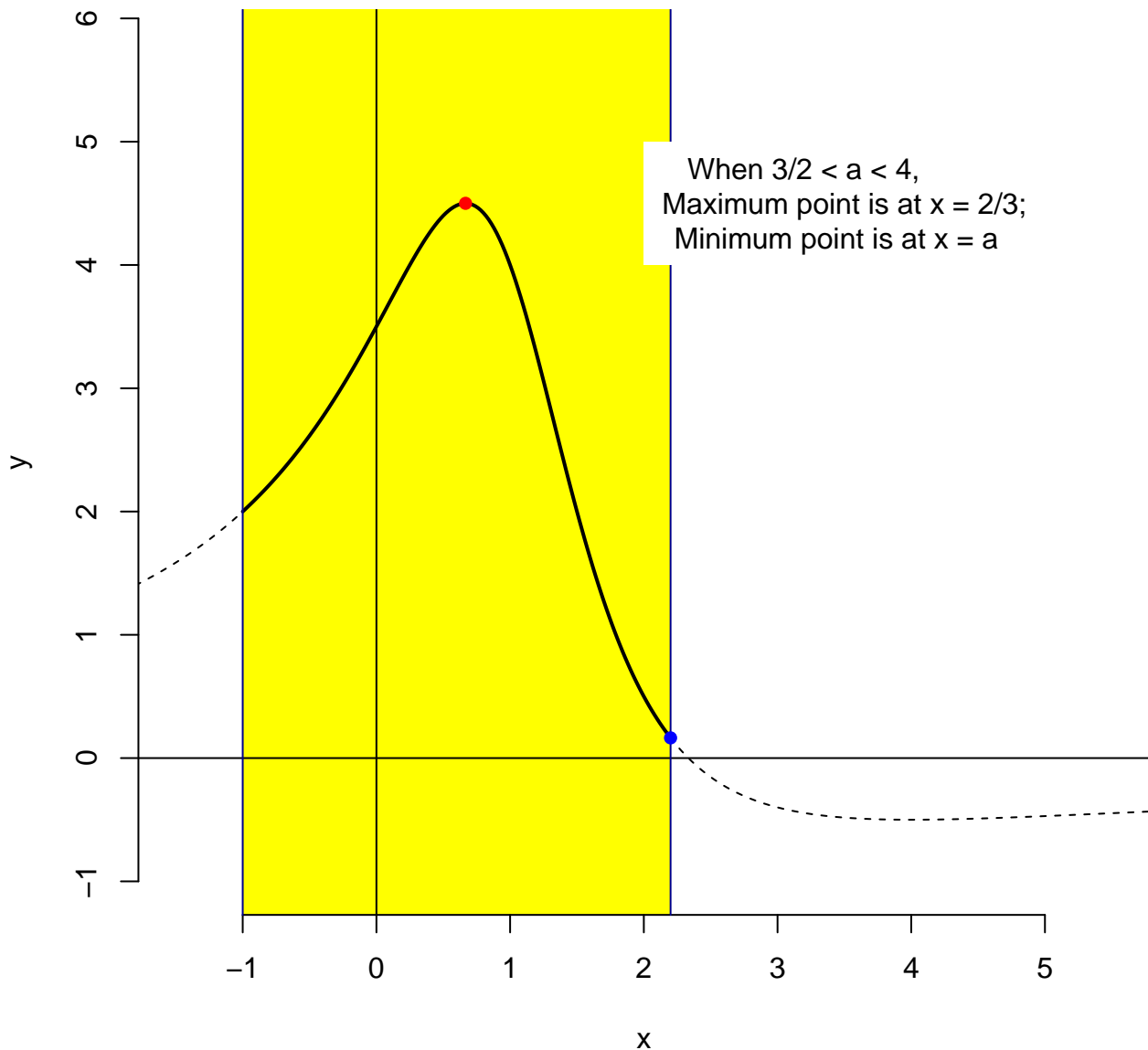
$$a = 2.18$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



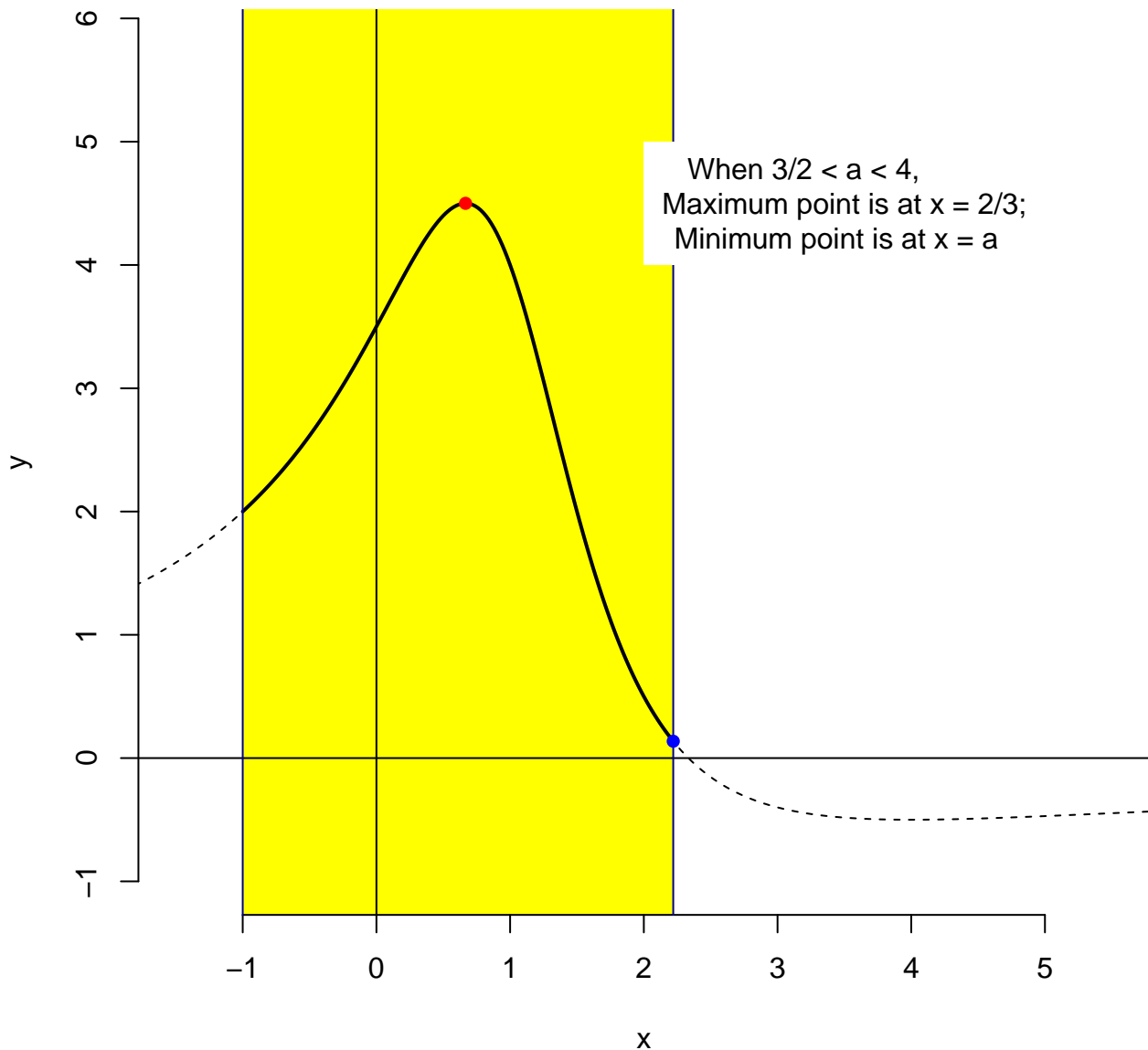
$$a = 2.2$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



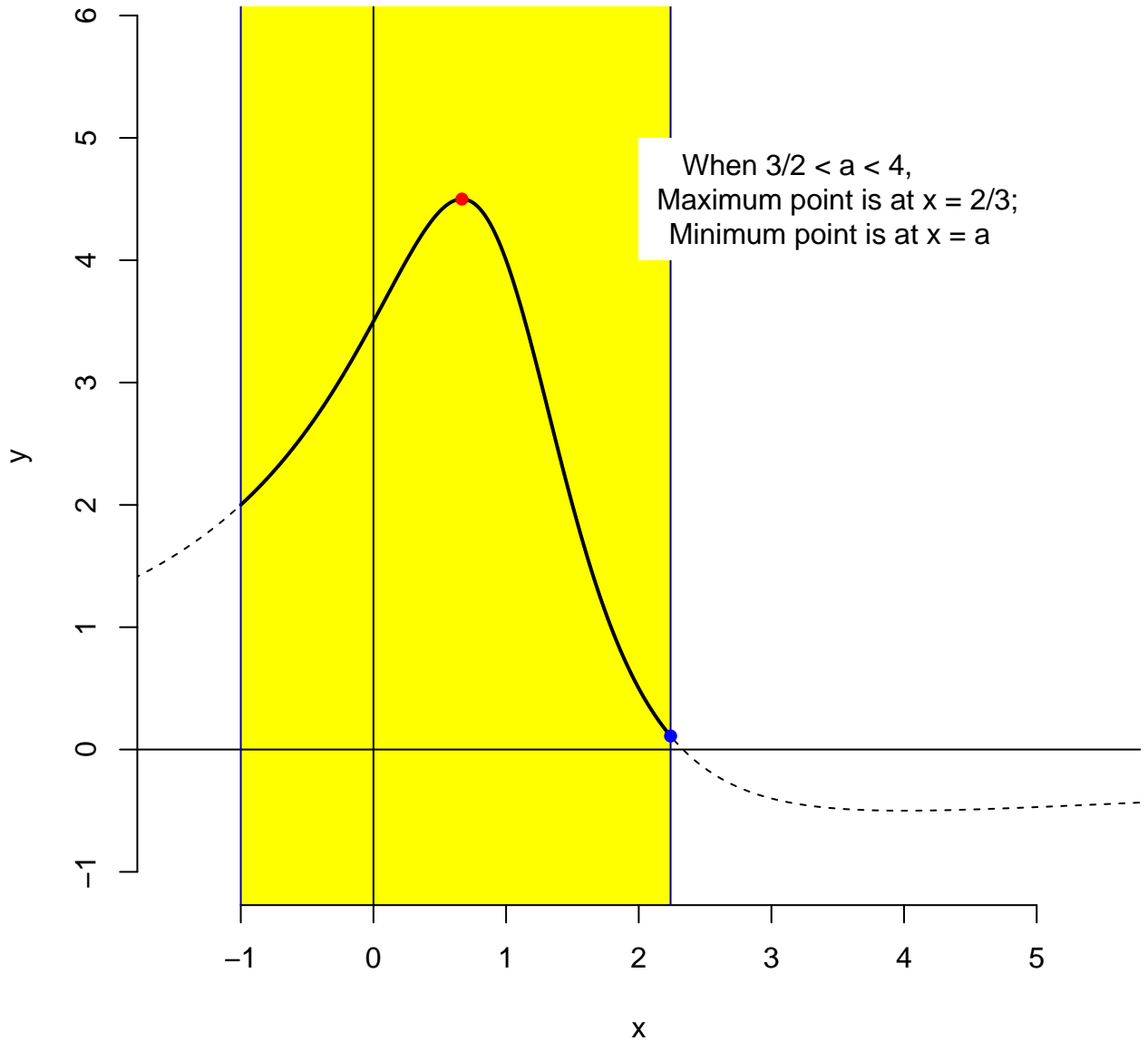
$$a = 2.22$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$

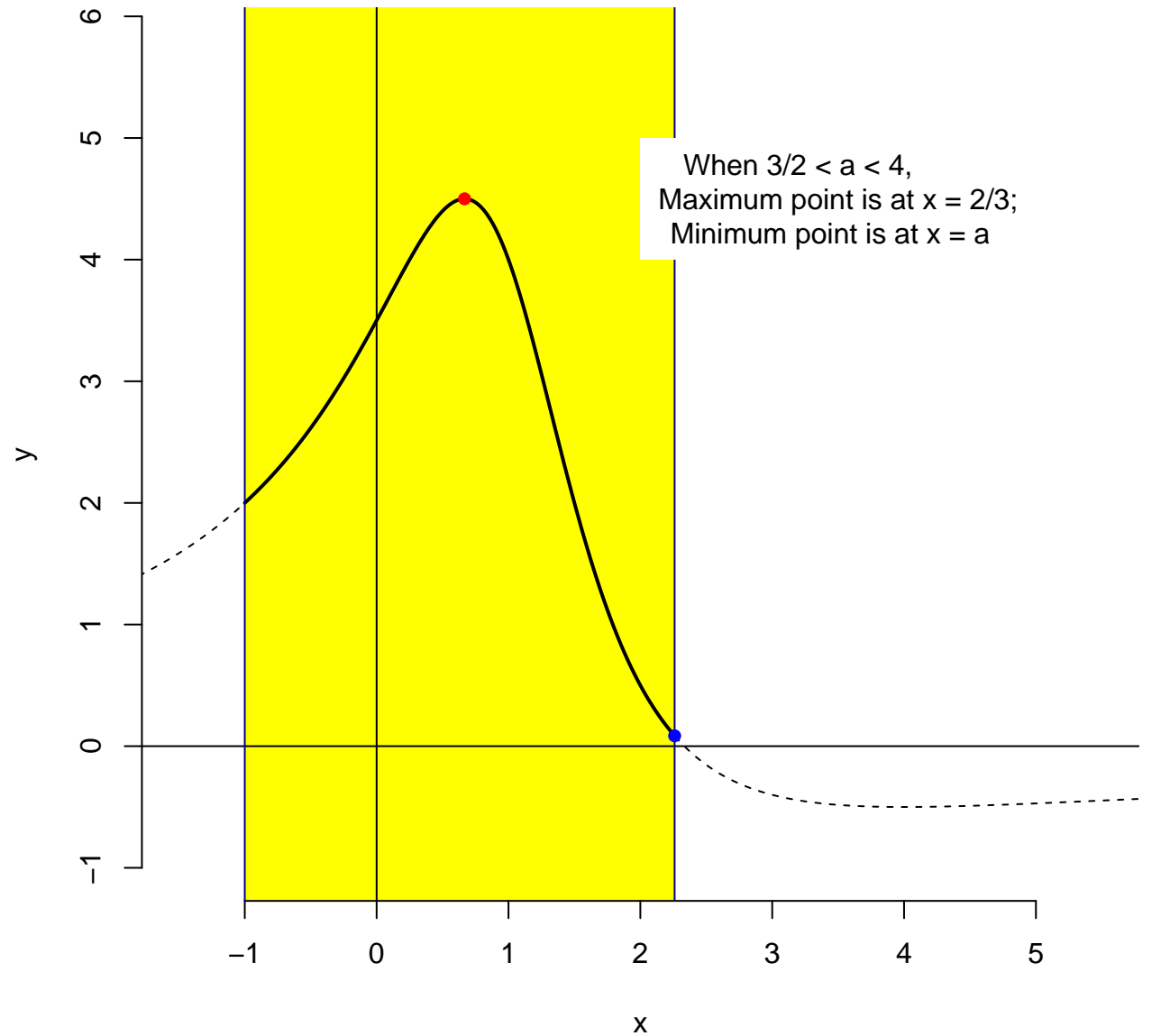


$$a = 2.24$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$

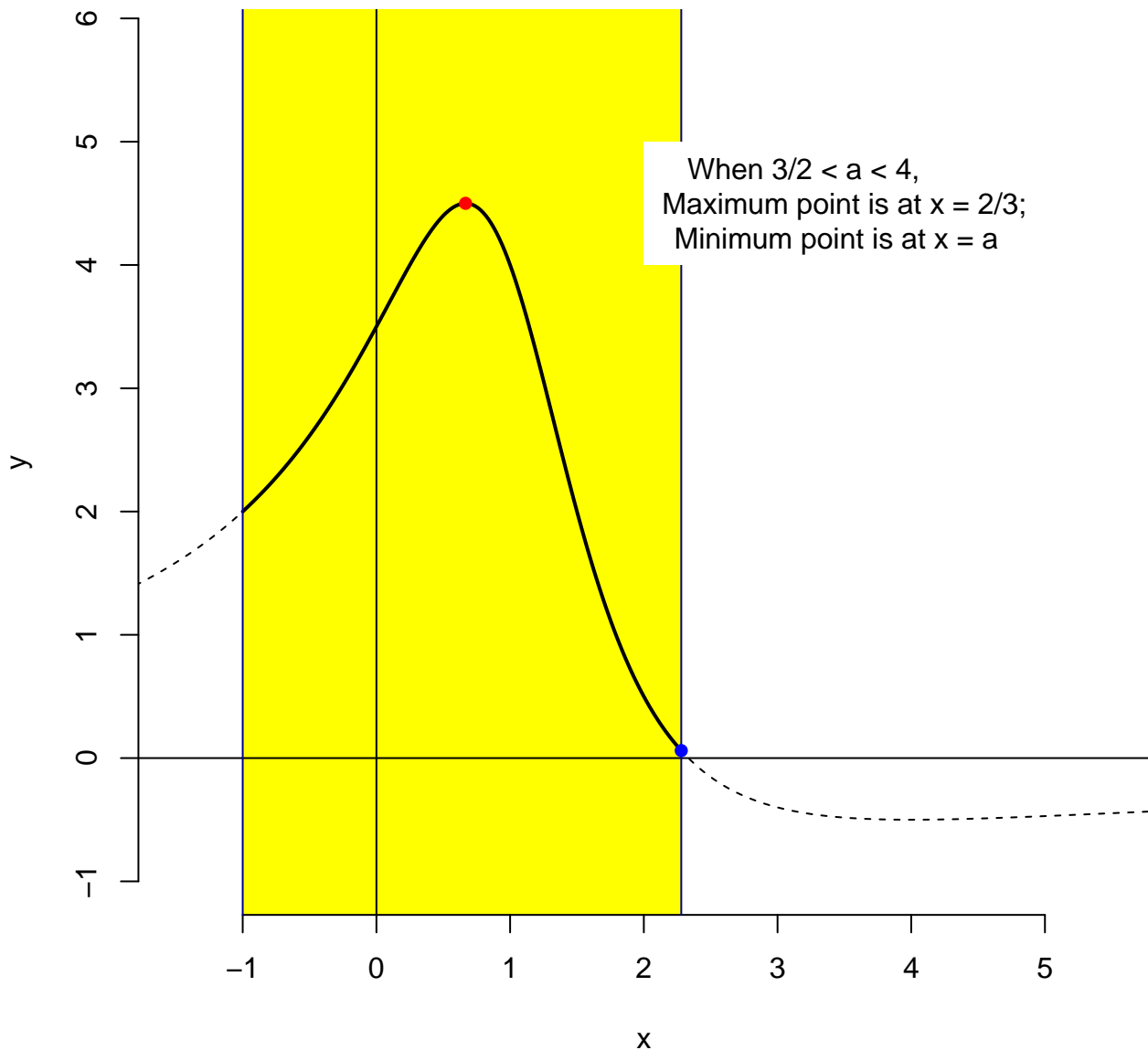


$a = 2.26$



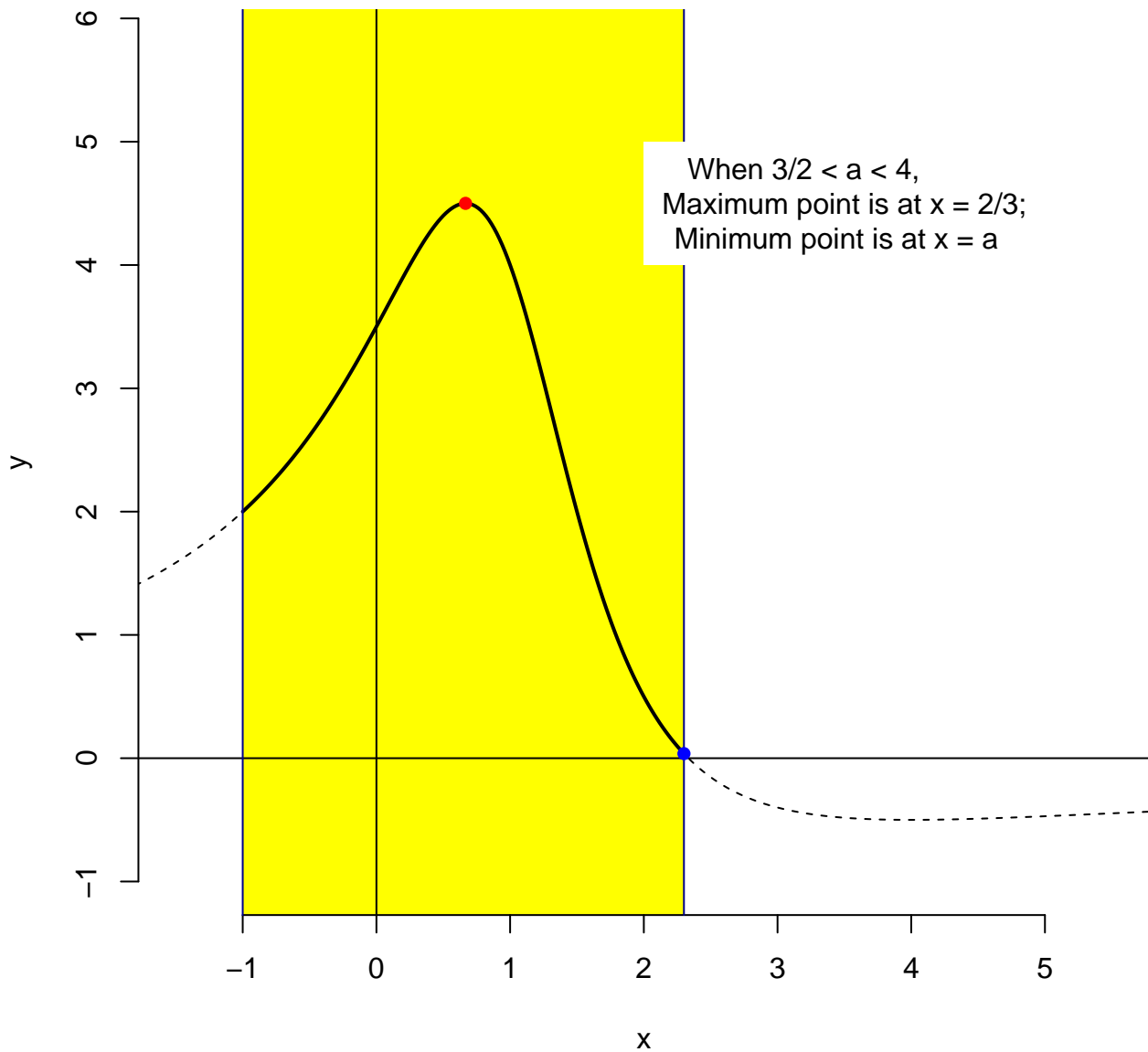
$$a = 2.28$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



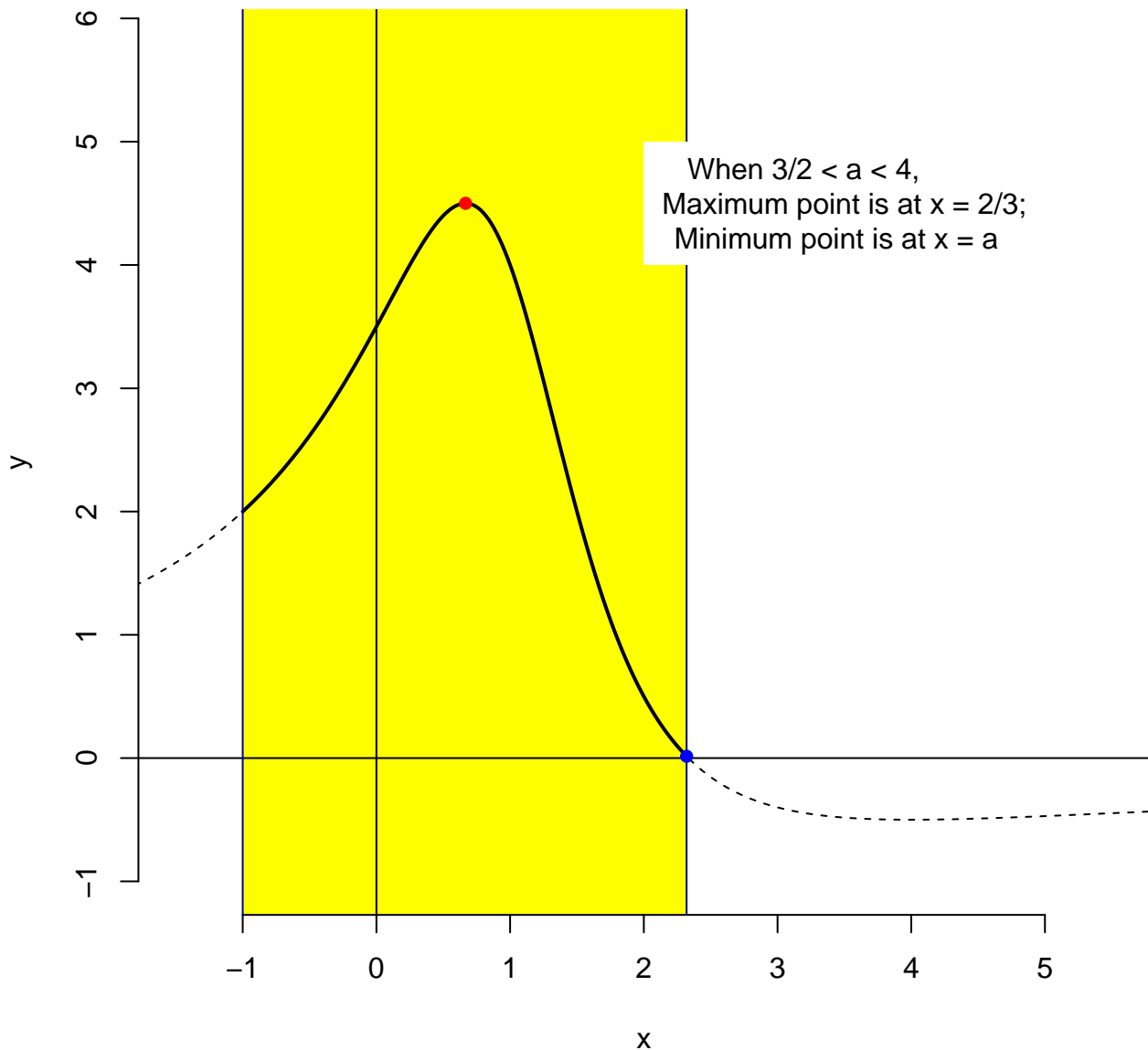
$$a = 2.3$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



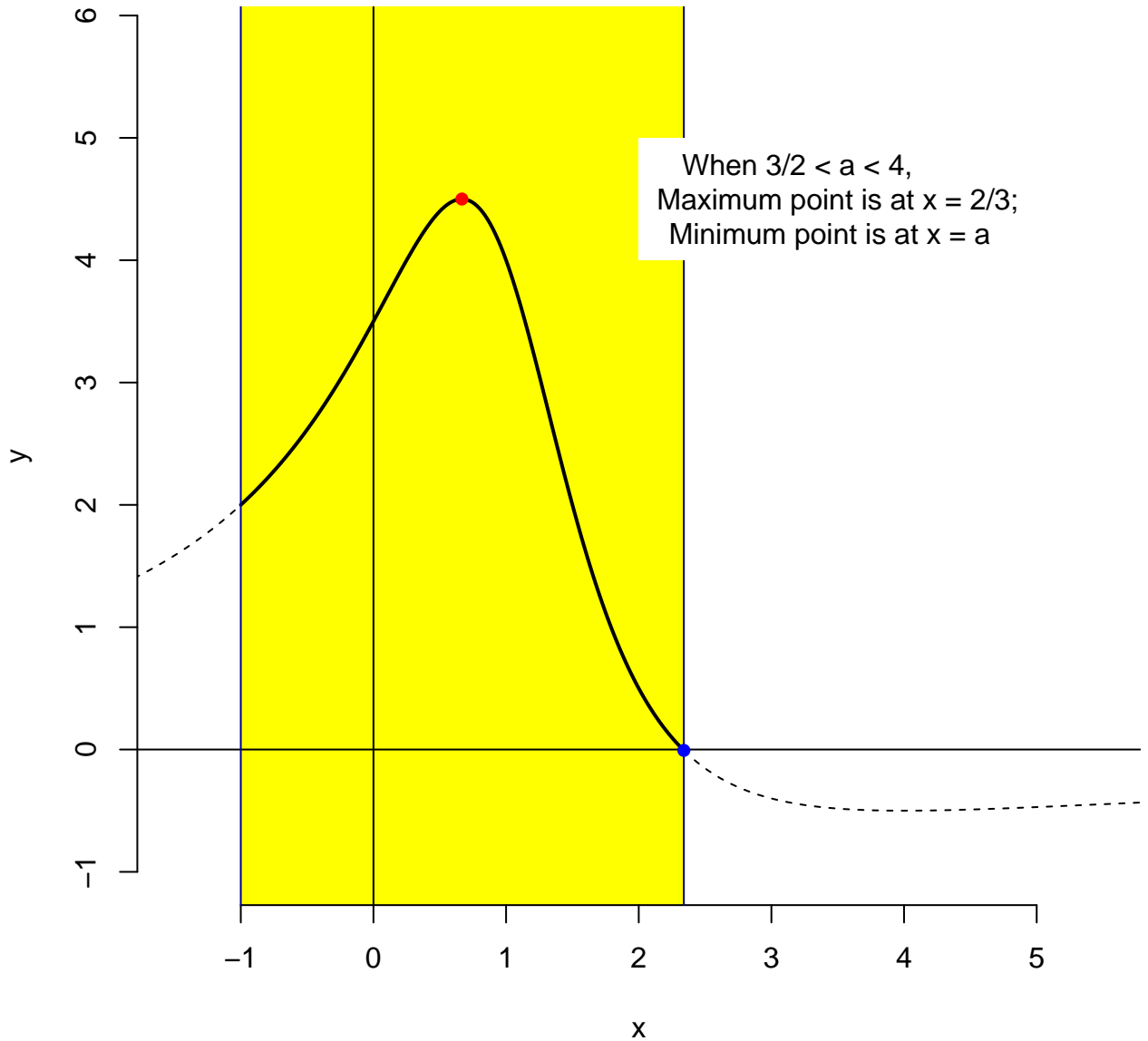
$$a = 2.32$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



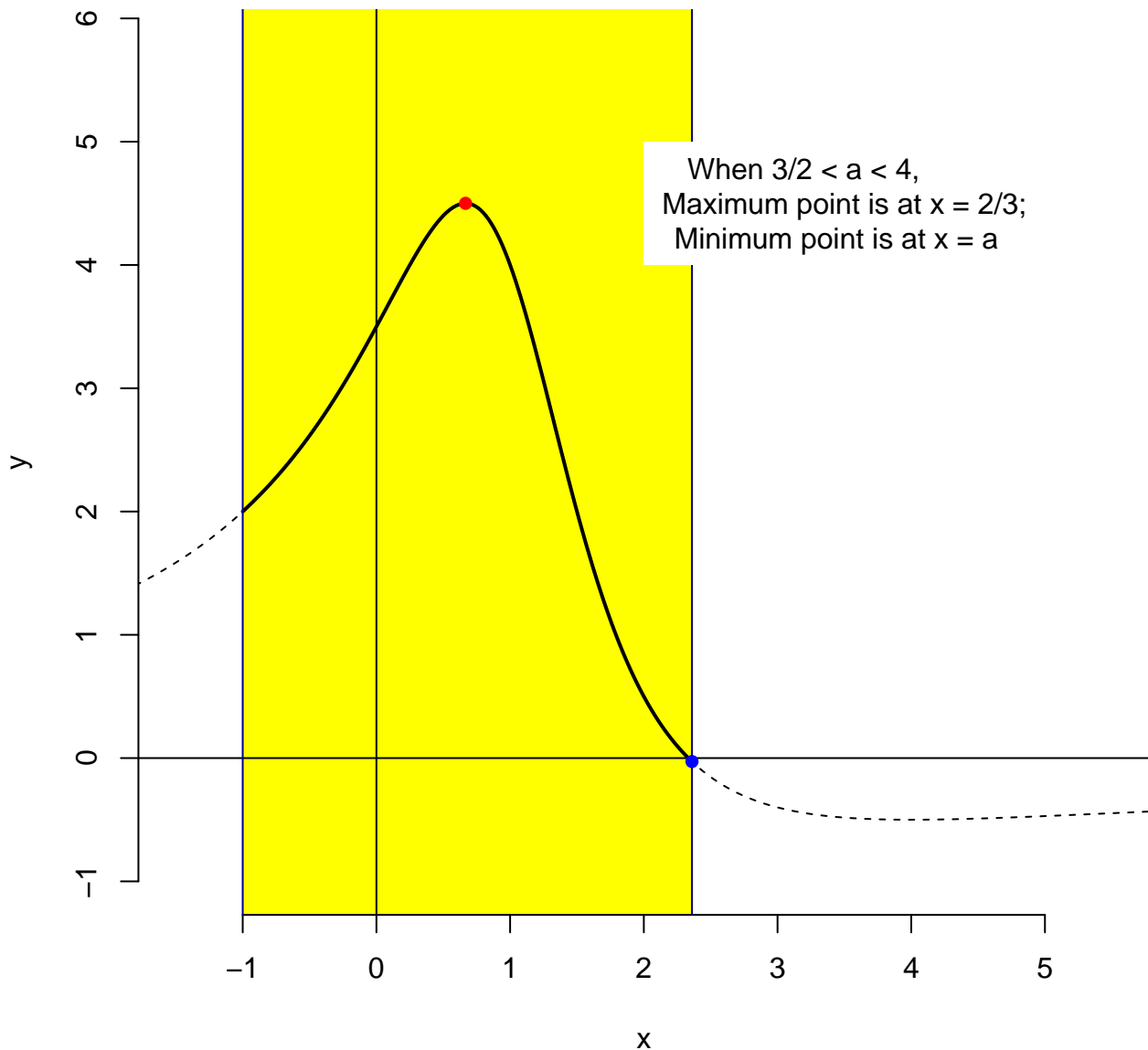
$a = 2.34$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



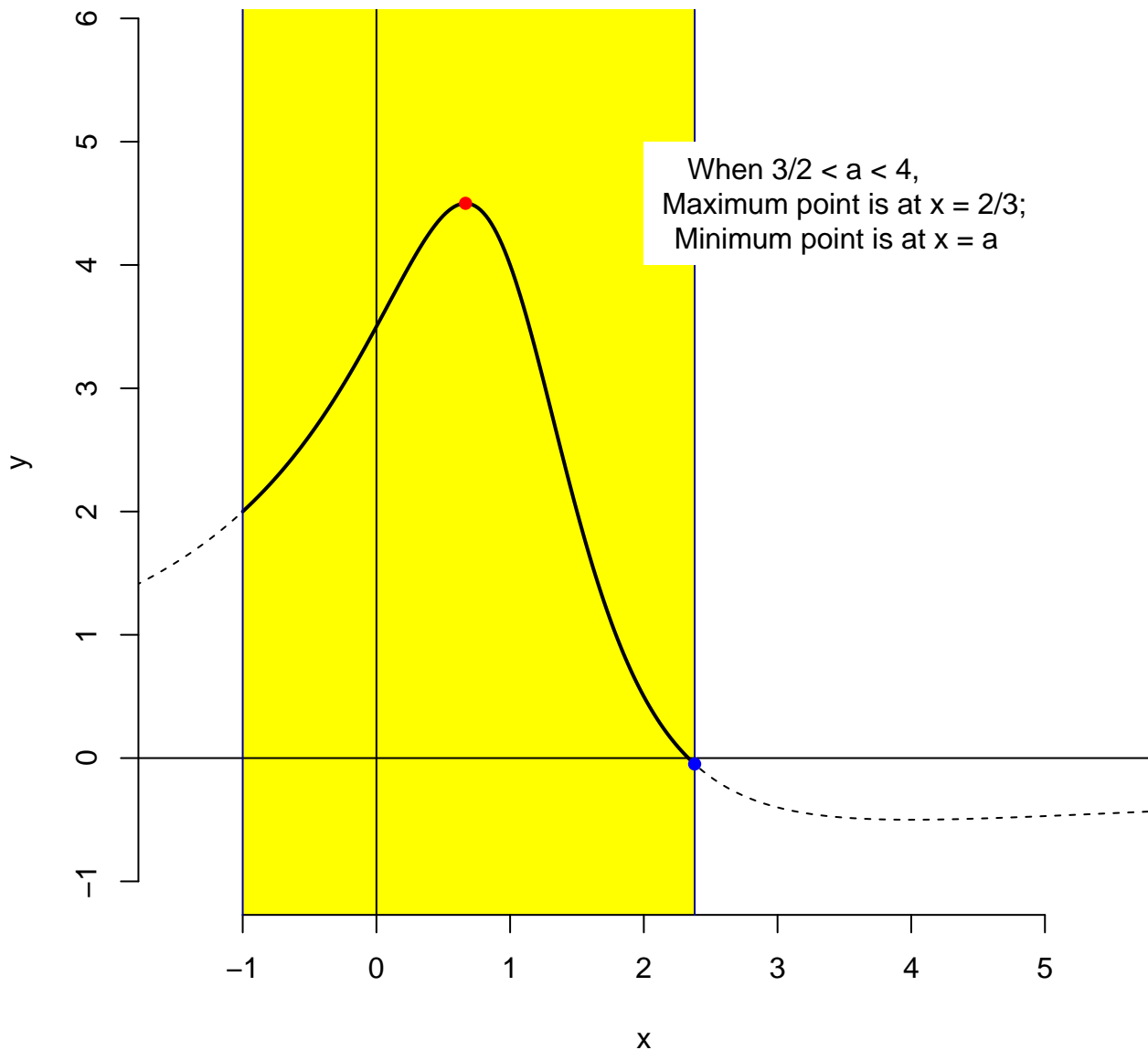
$$a = 2.36$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



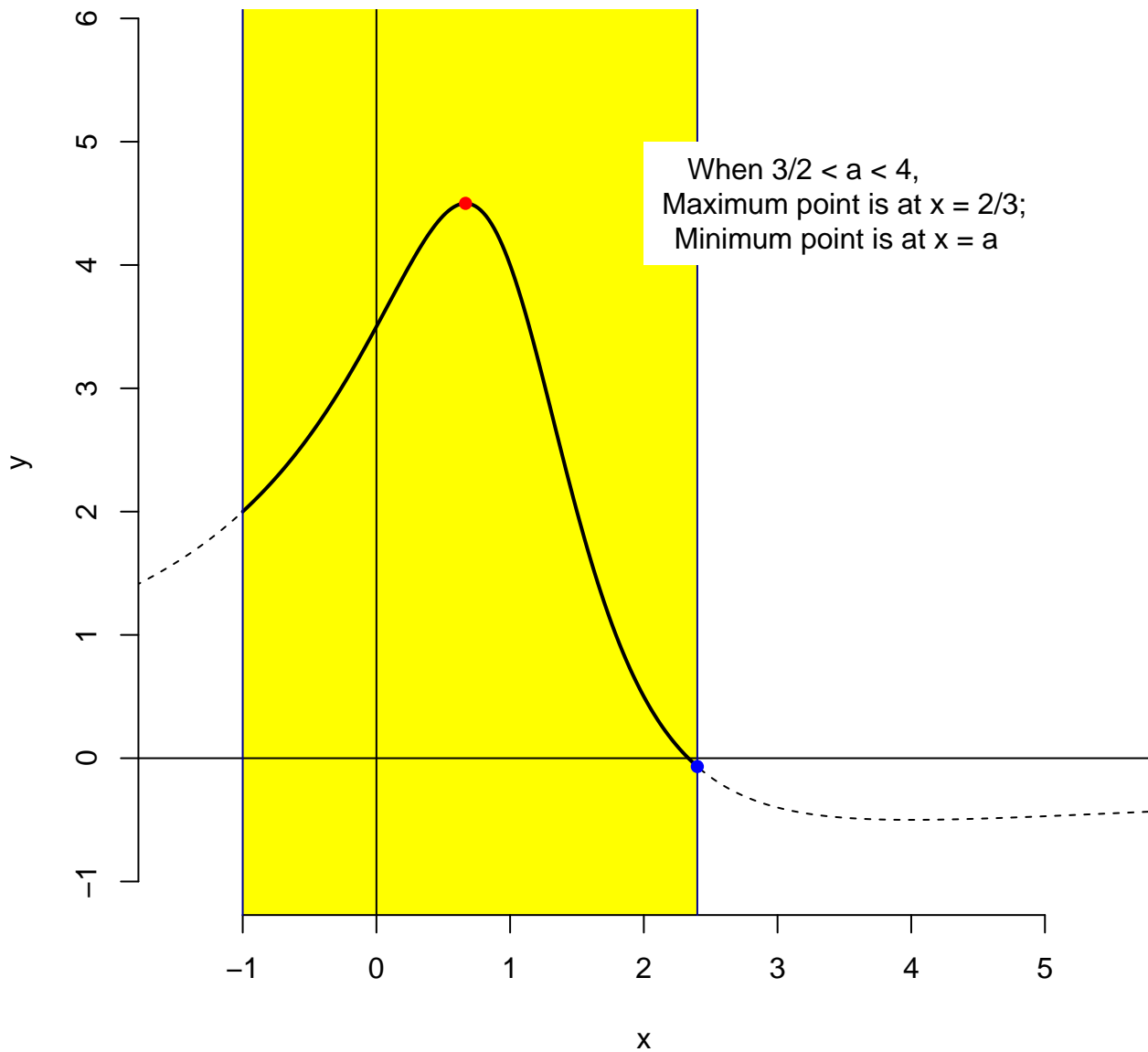
$$a = 2.38$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



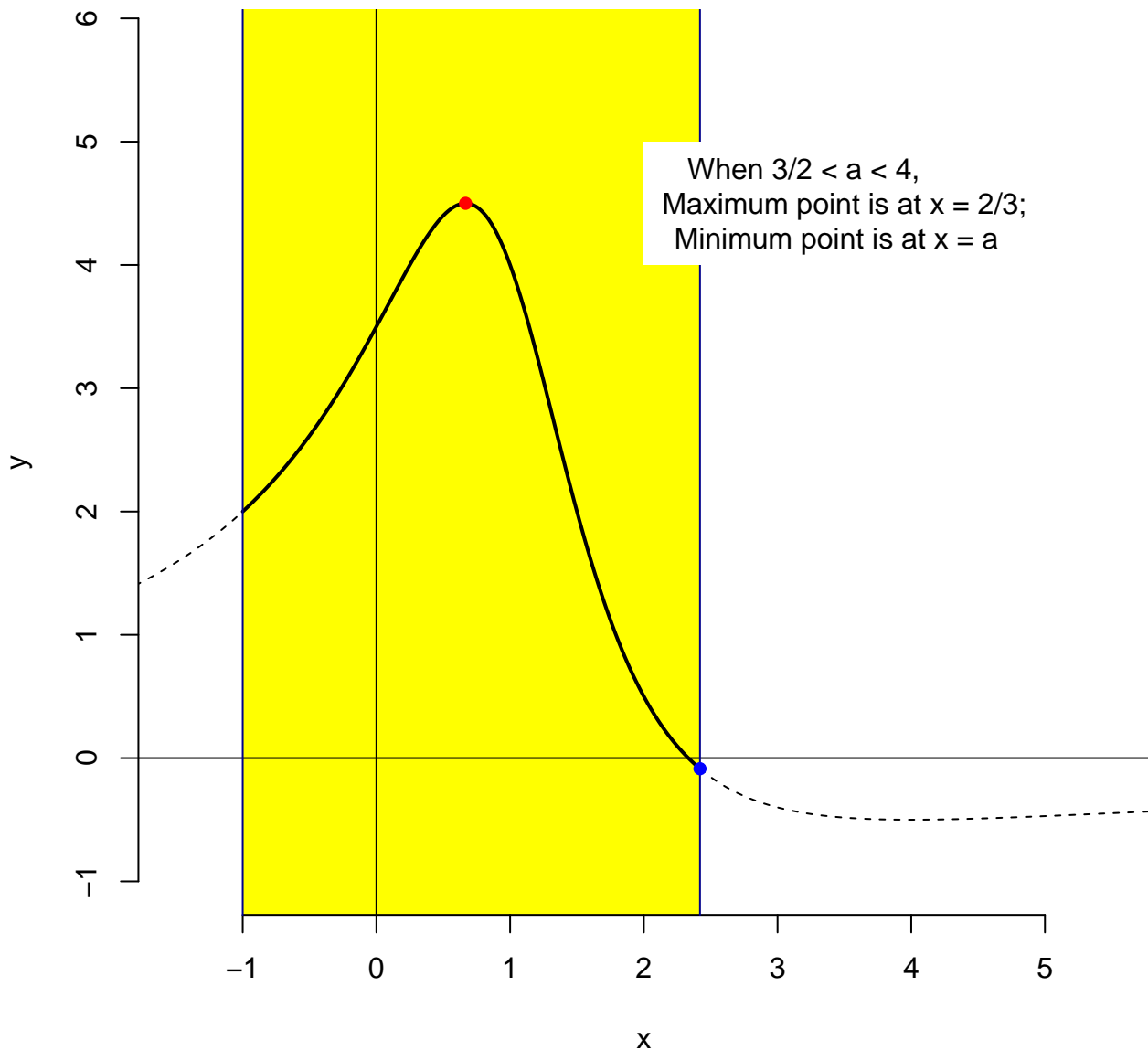
$a = 2.4$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



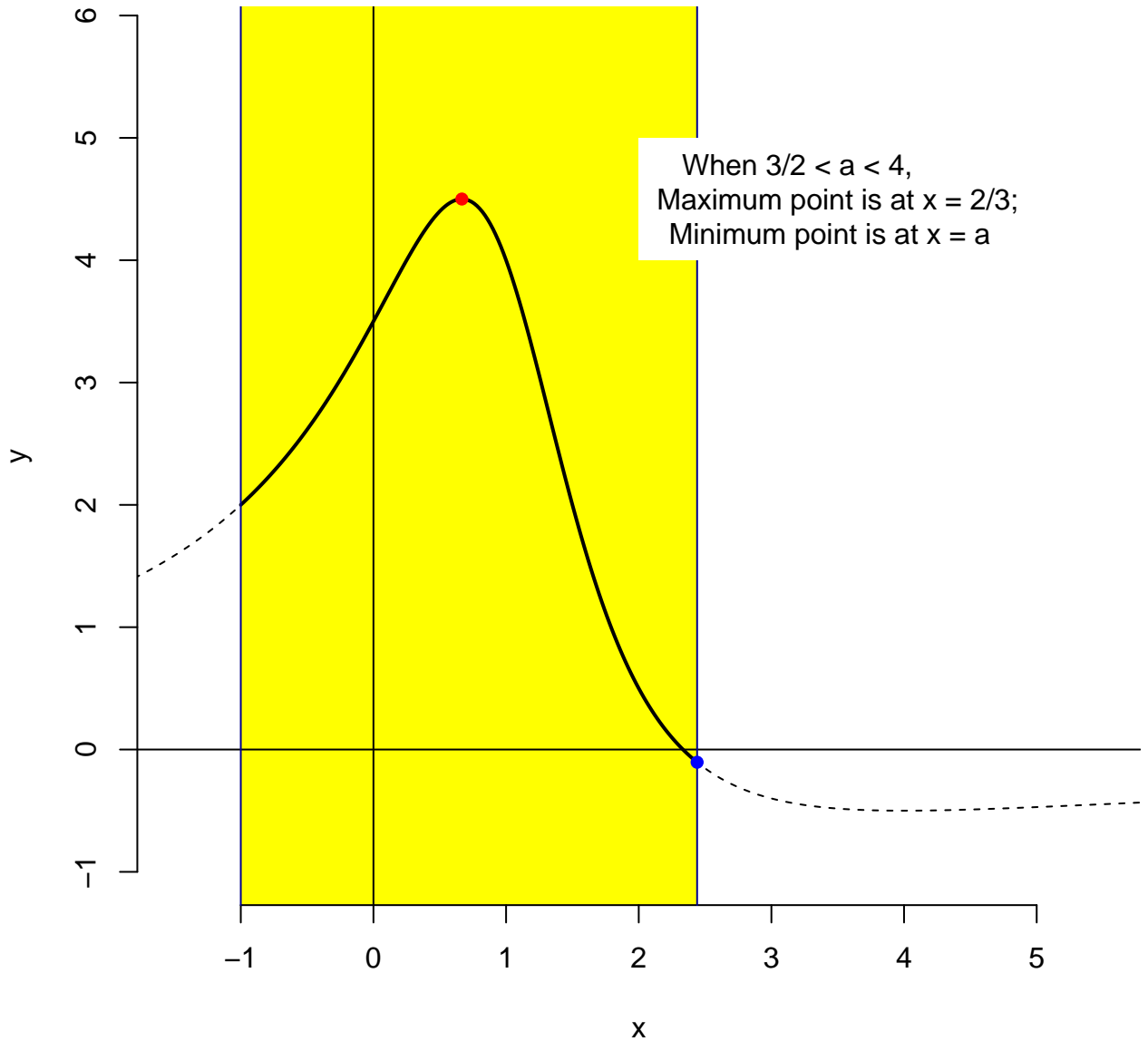
$a = 2.42$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



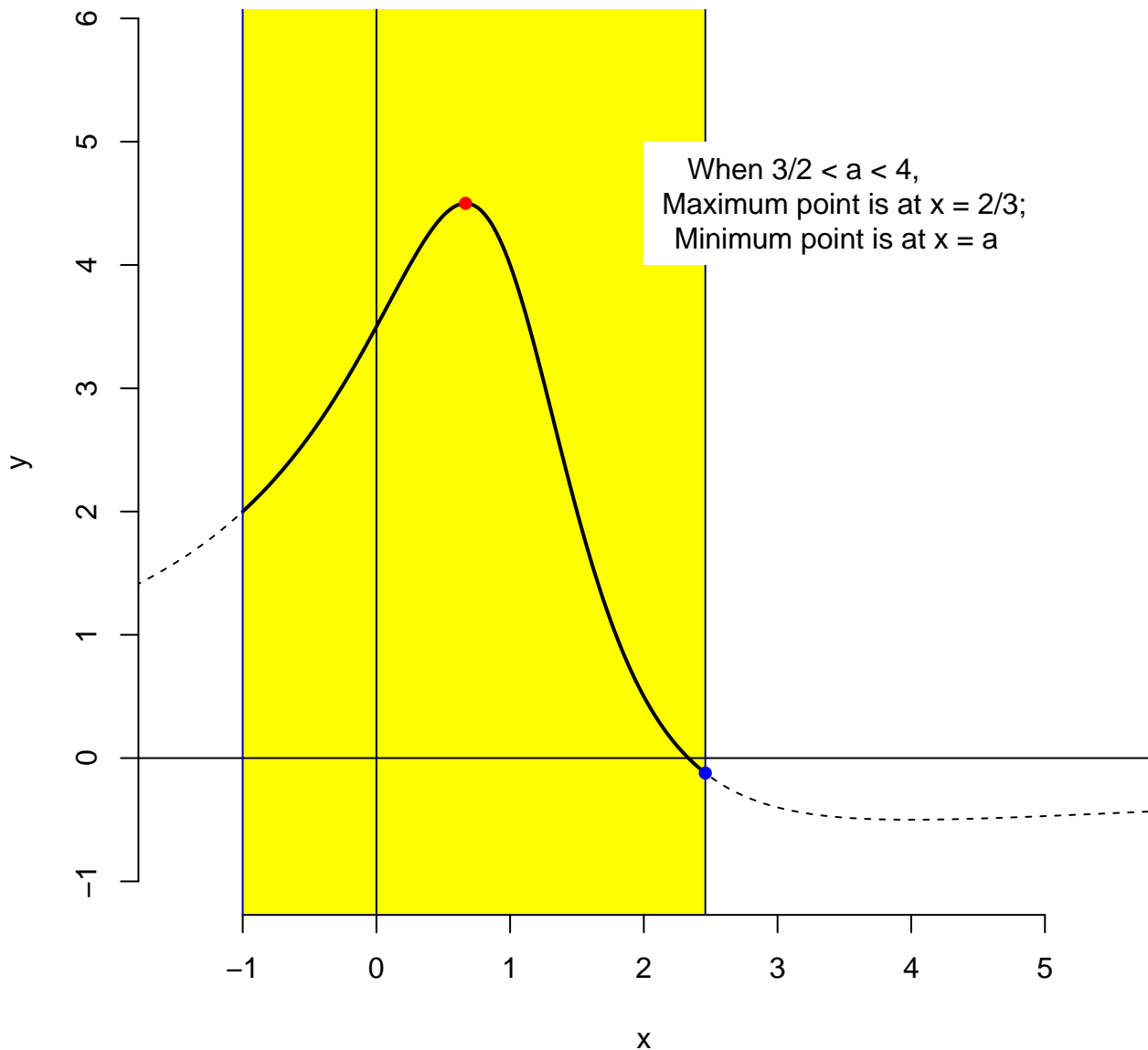
$a = 2.44$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



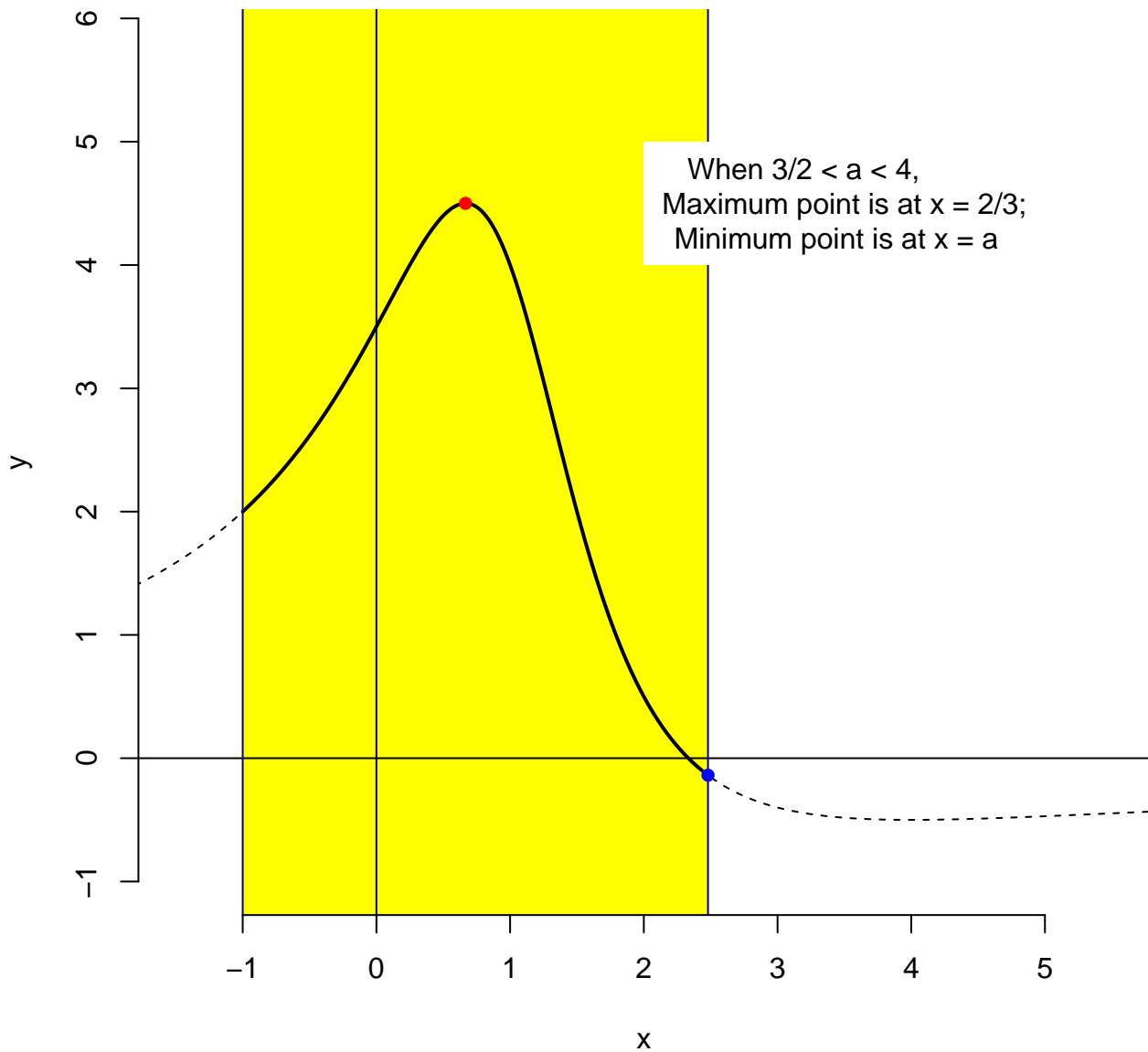
$a = 2.46$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



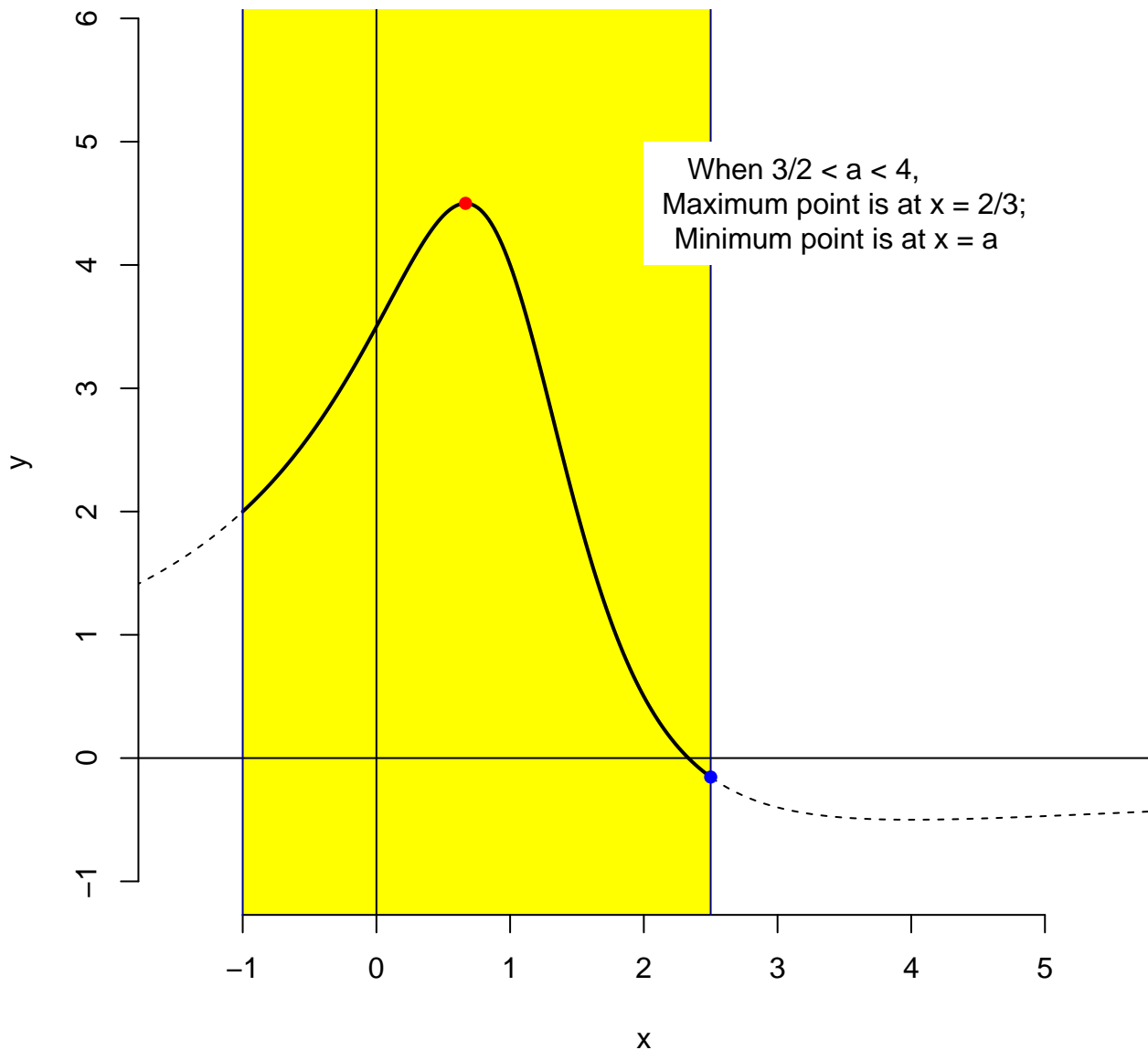
$$a = 2.48$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



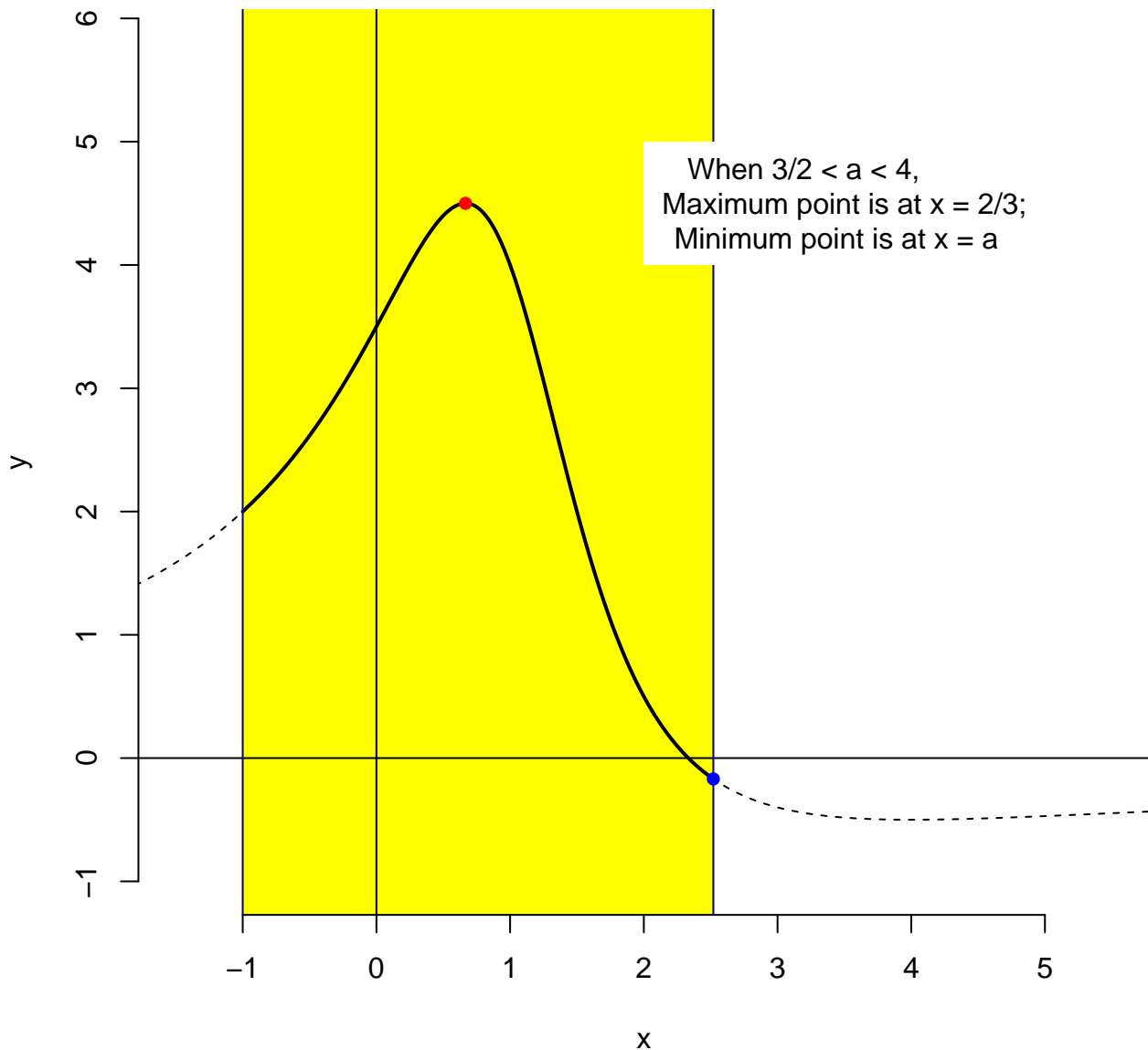
$a = 2.5$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



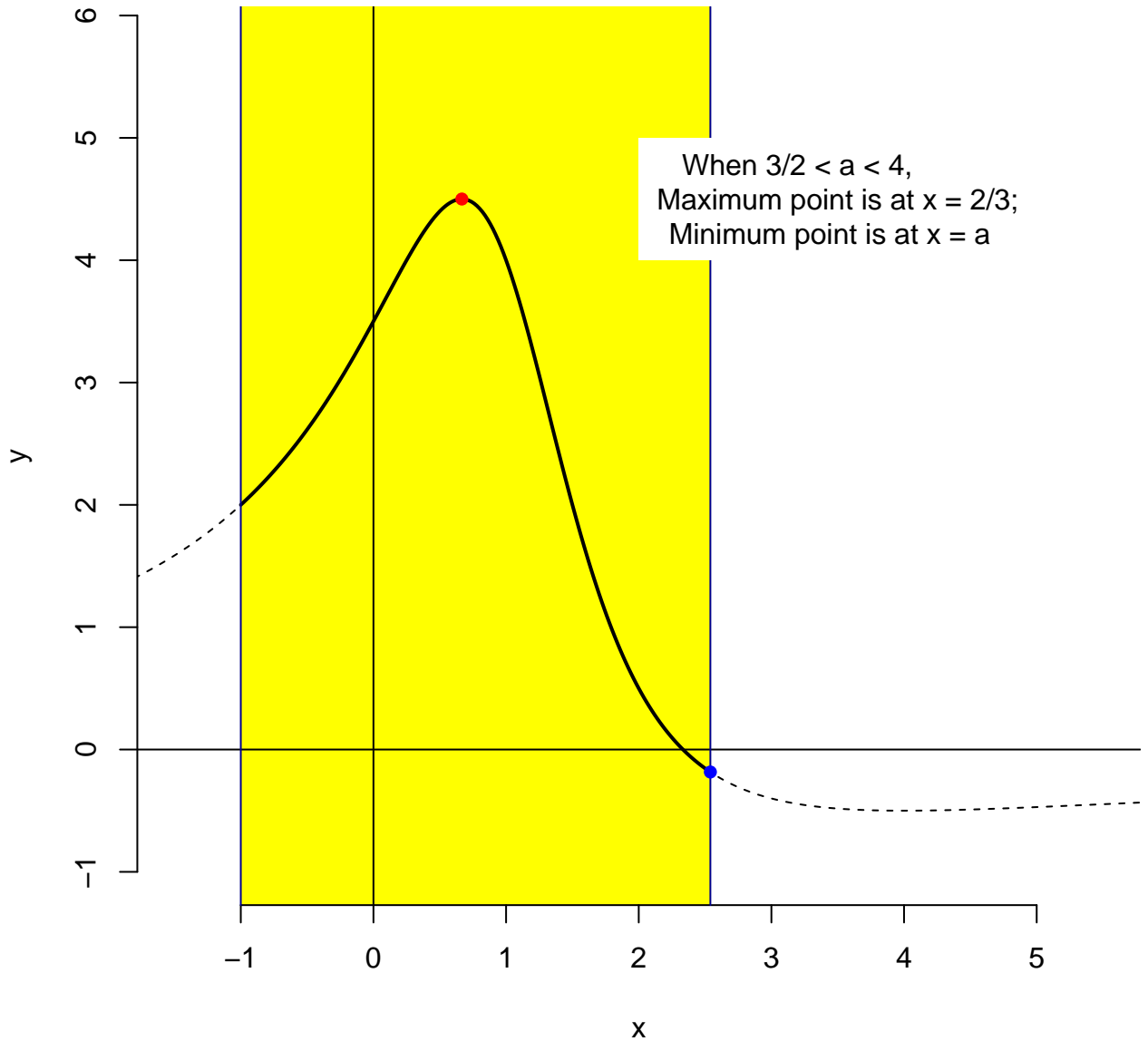
$$a = 2.52$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



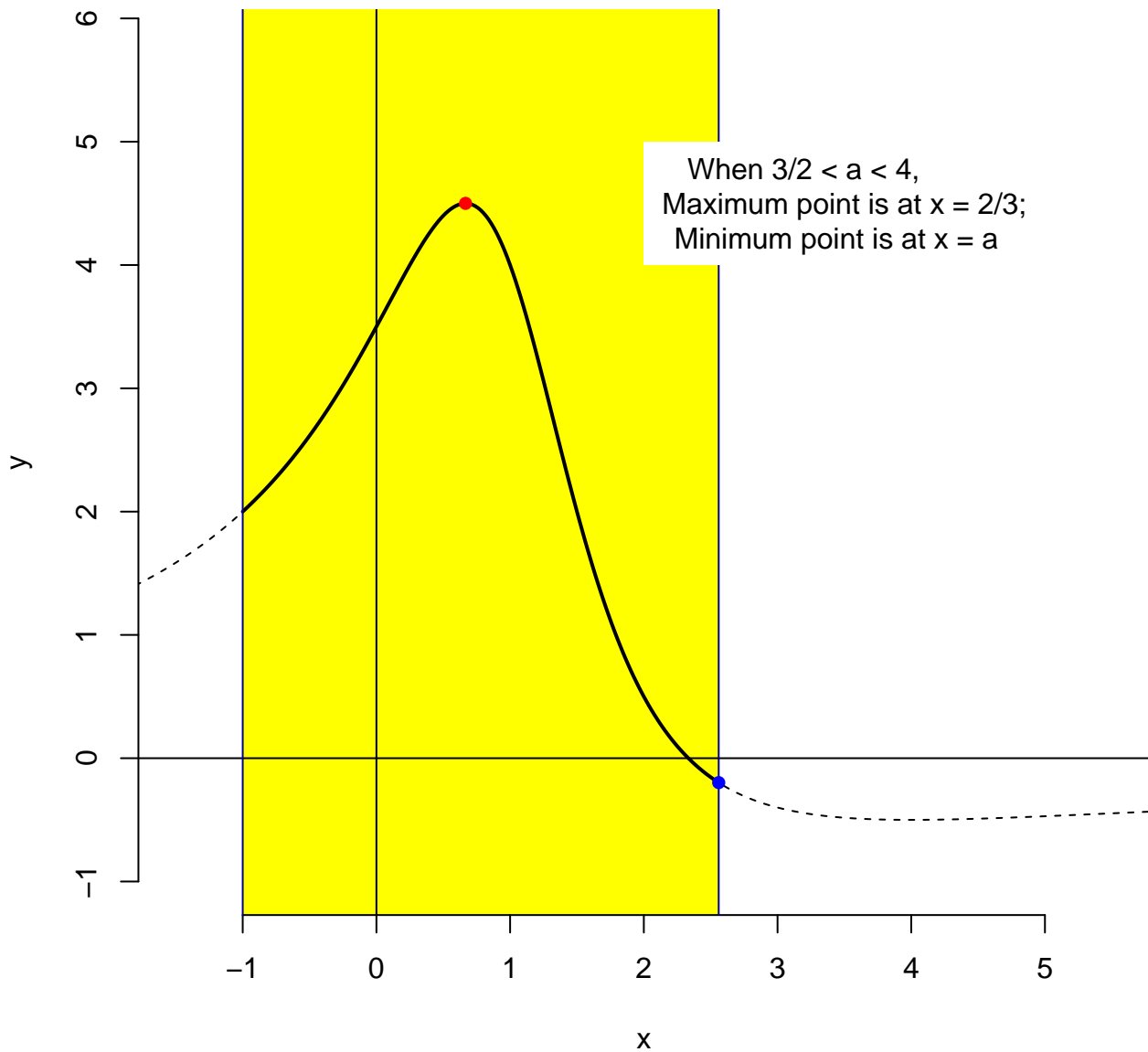
$$a = 2.54$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



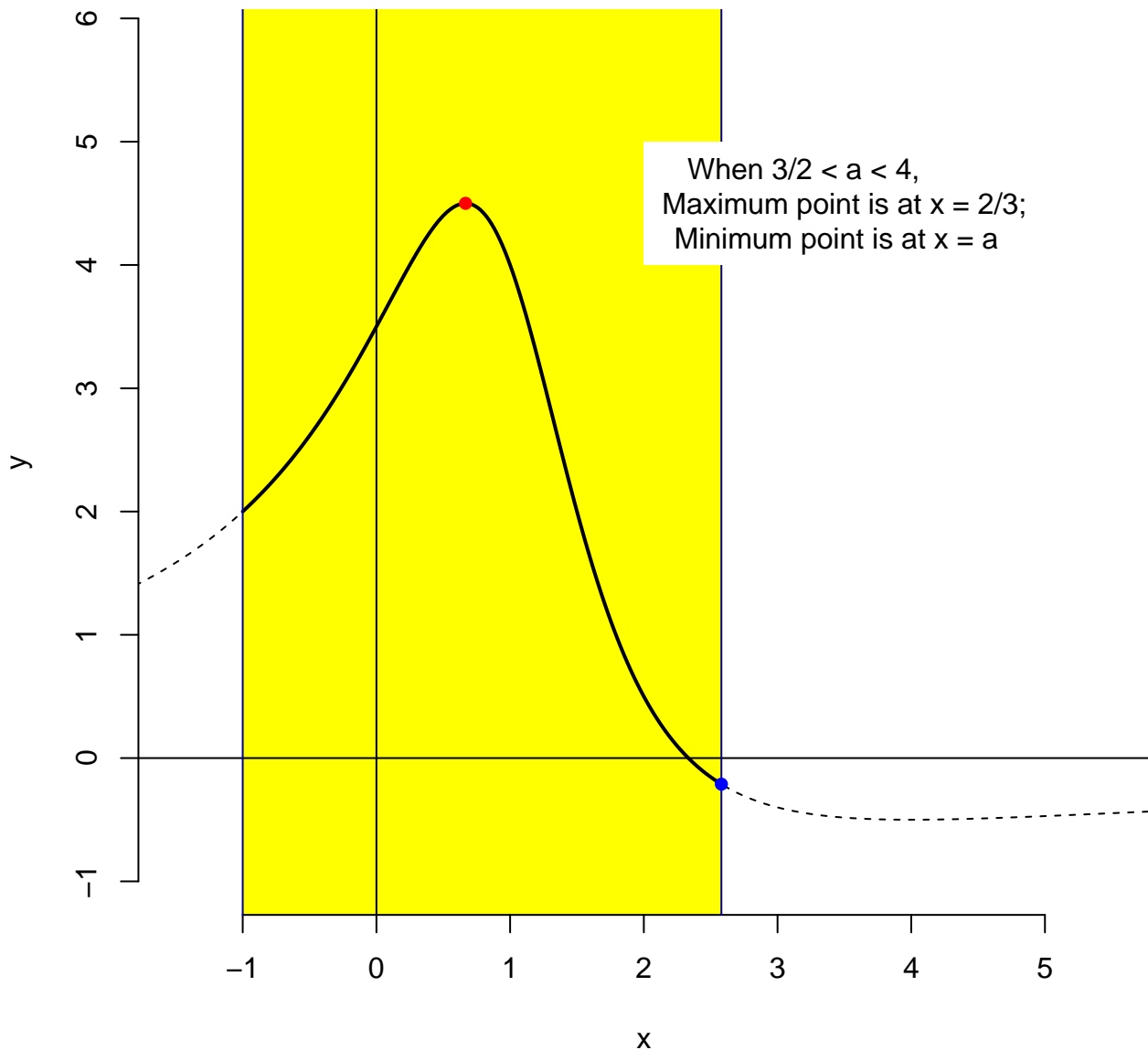
$$a = 2.56$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



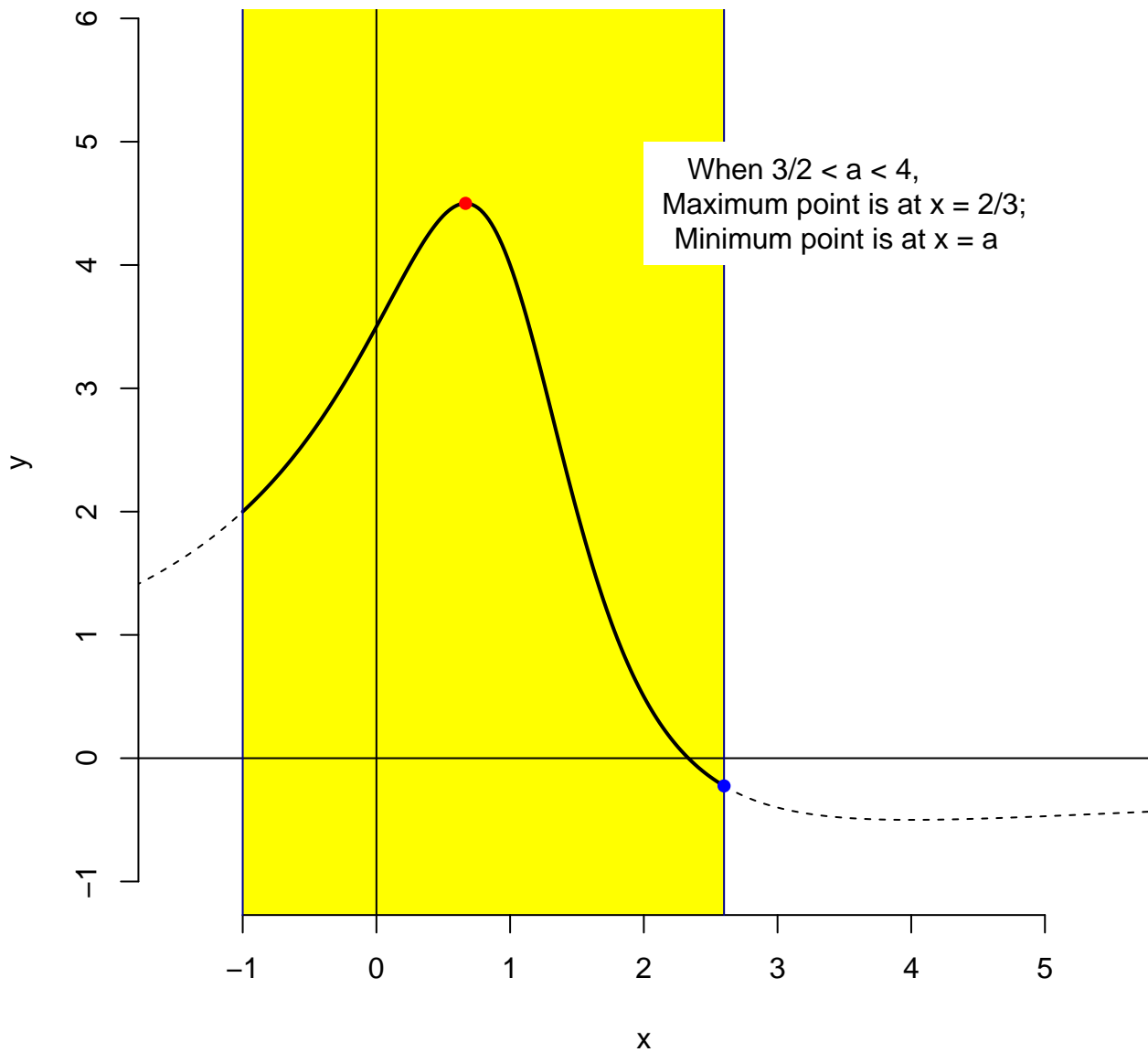
$$a = 2.58$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



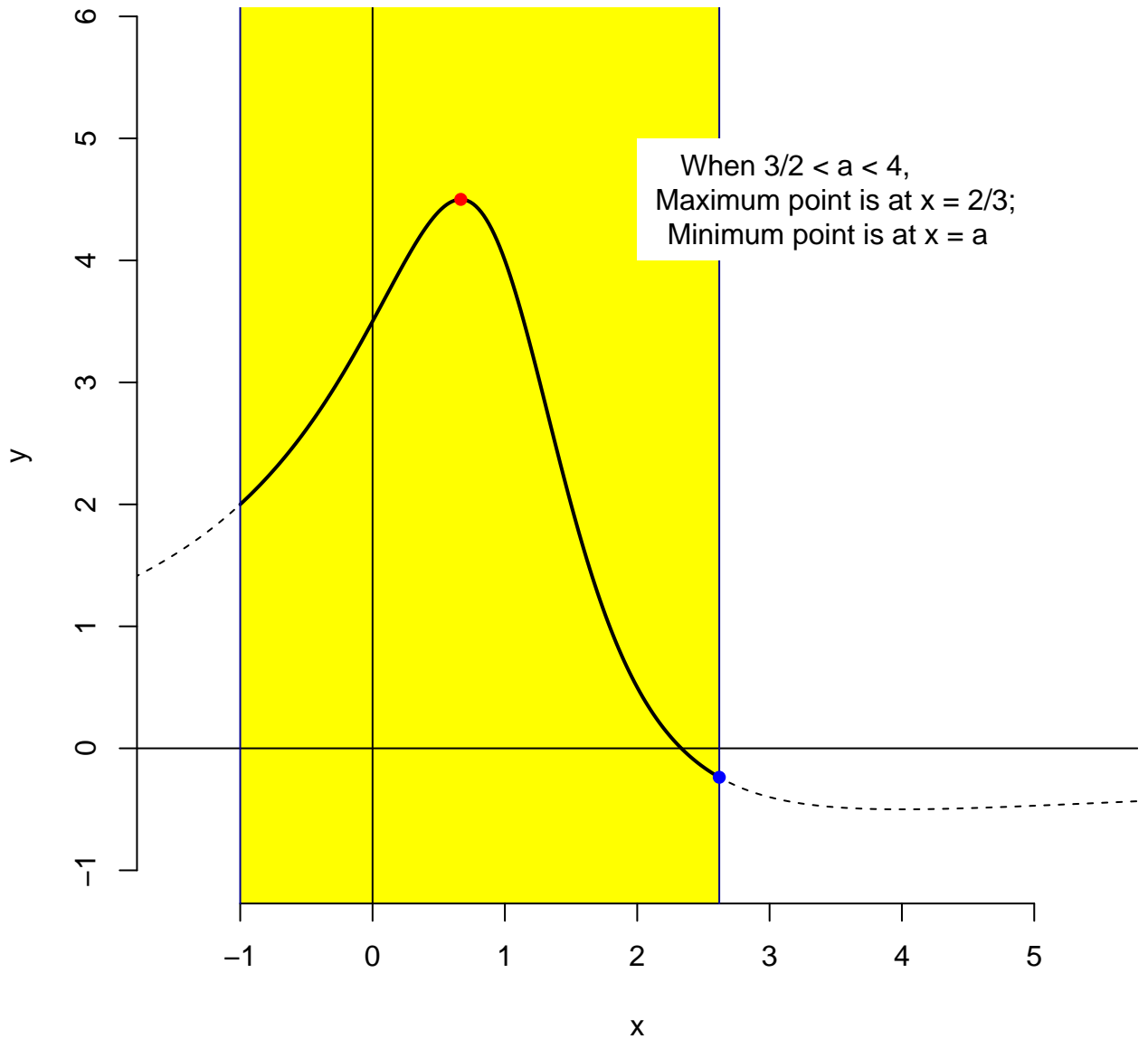
$$a = 2.6$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



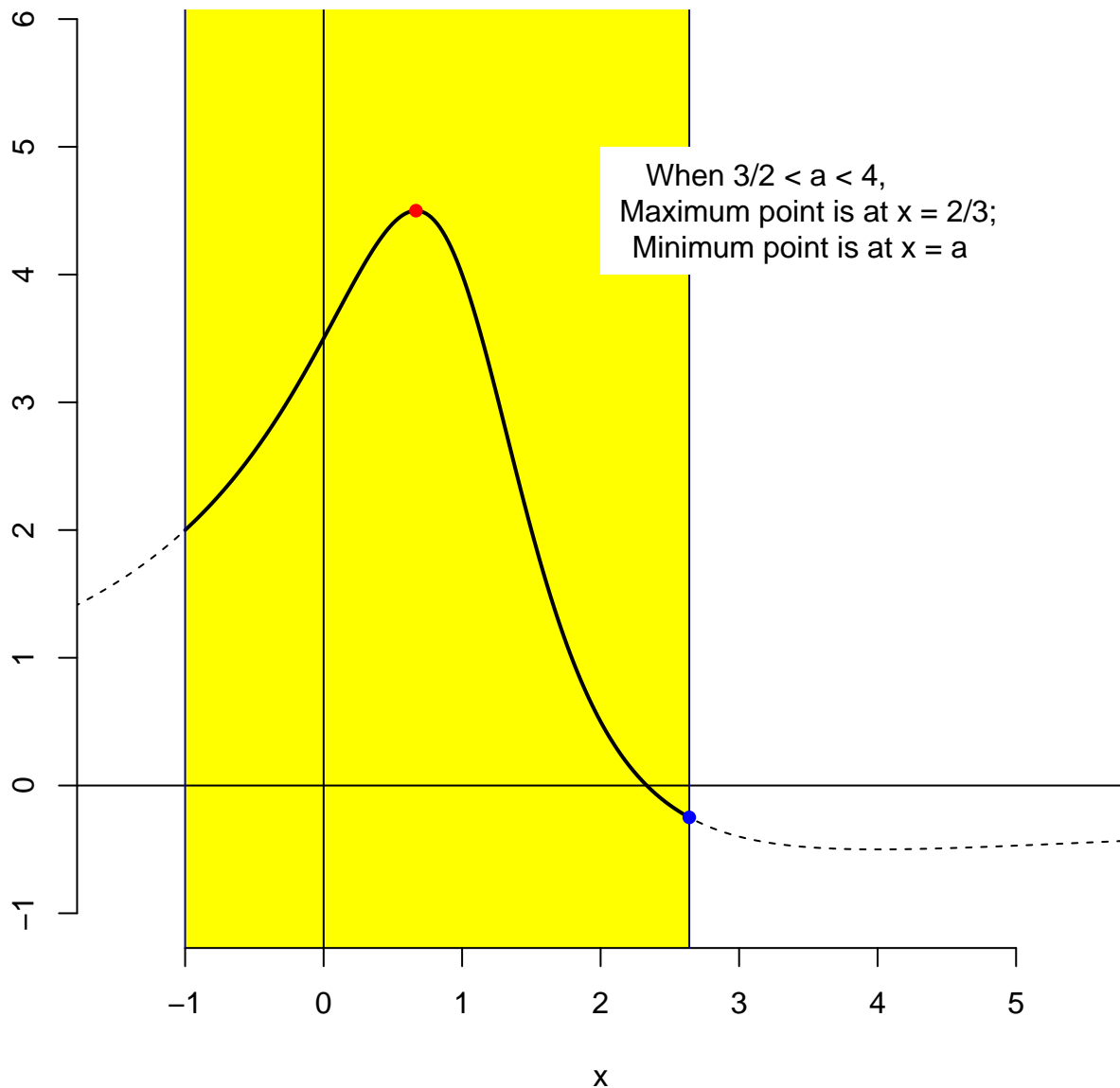
$$a = 2.62$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



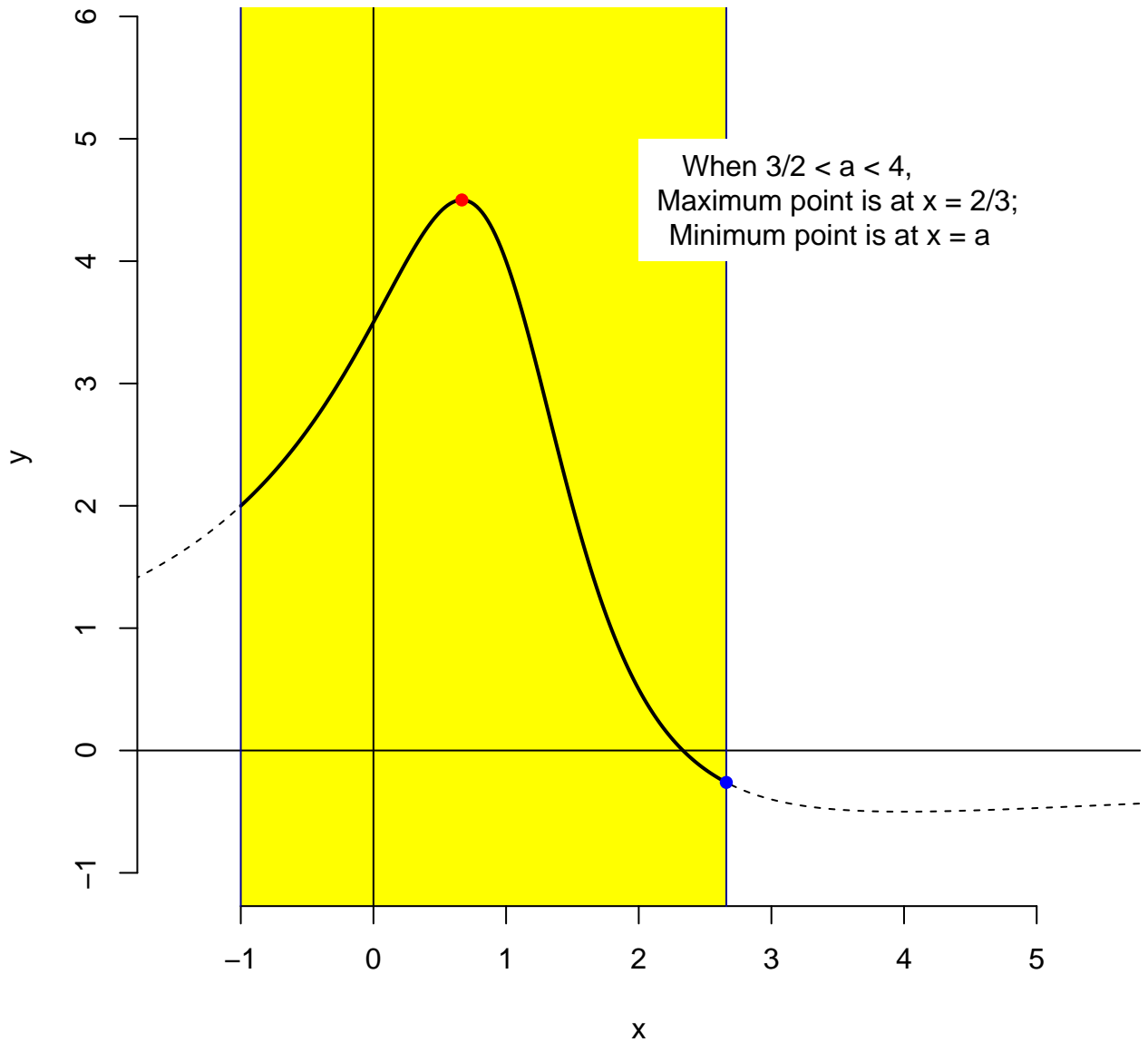
$a = 2.64$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



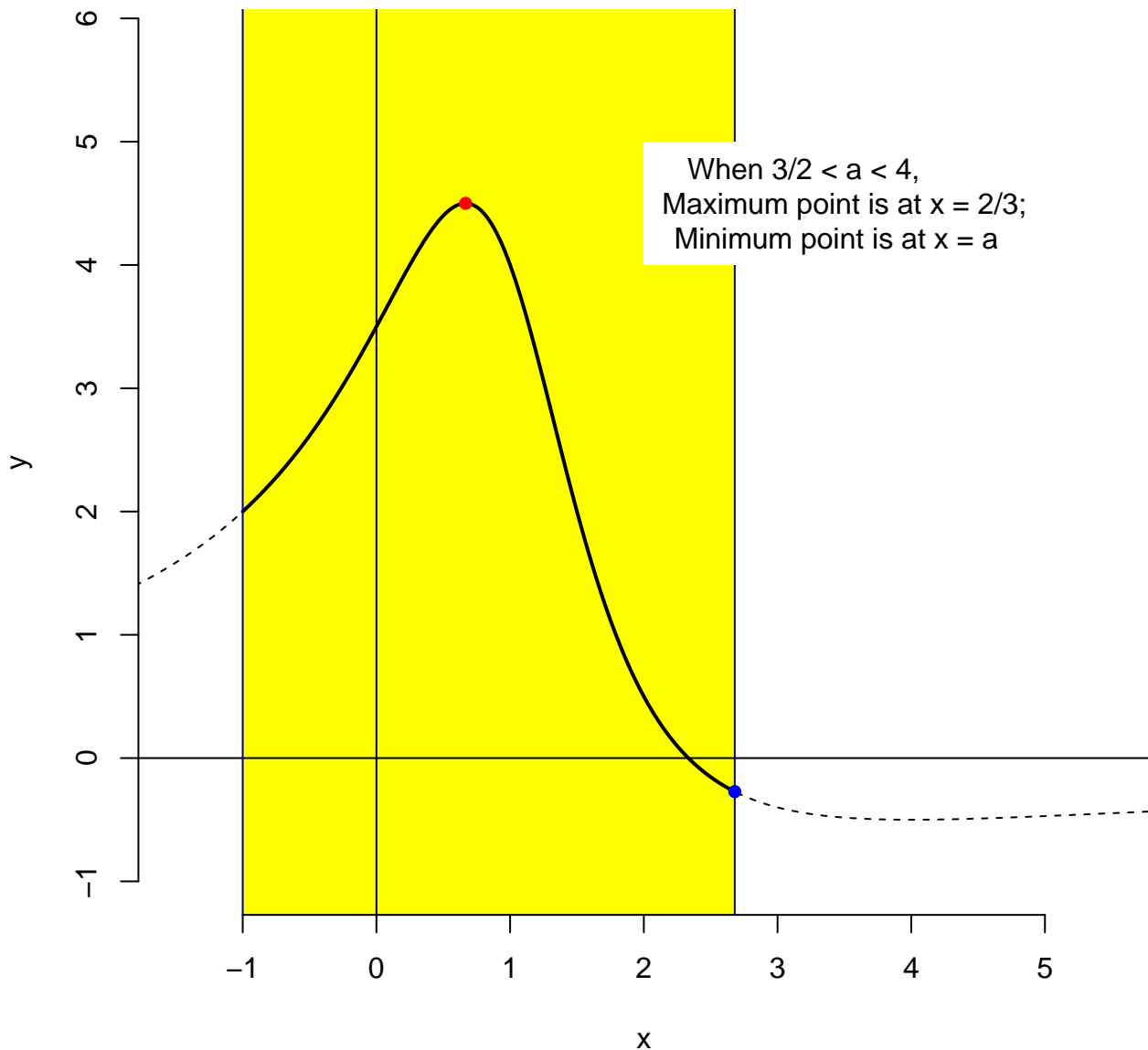
$a = 2.66$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



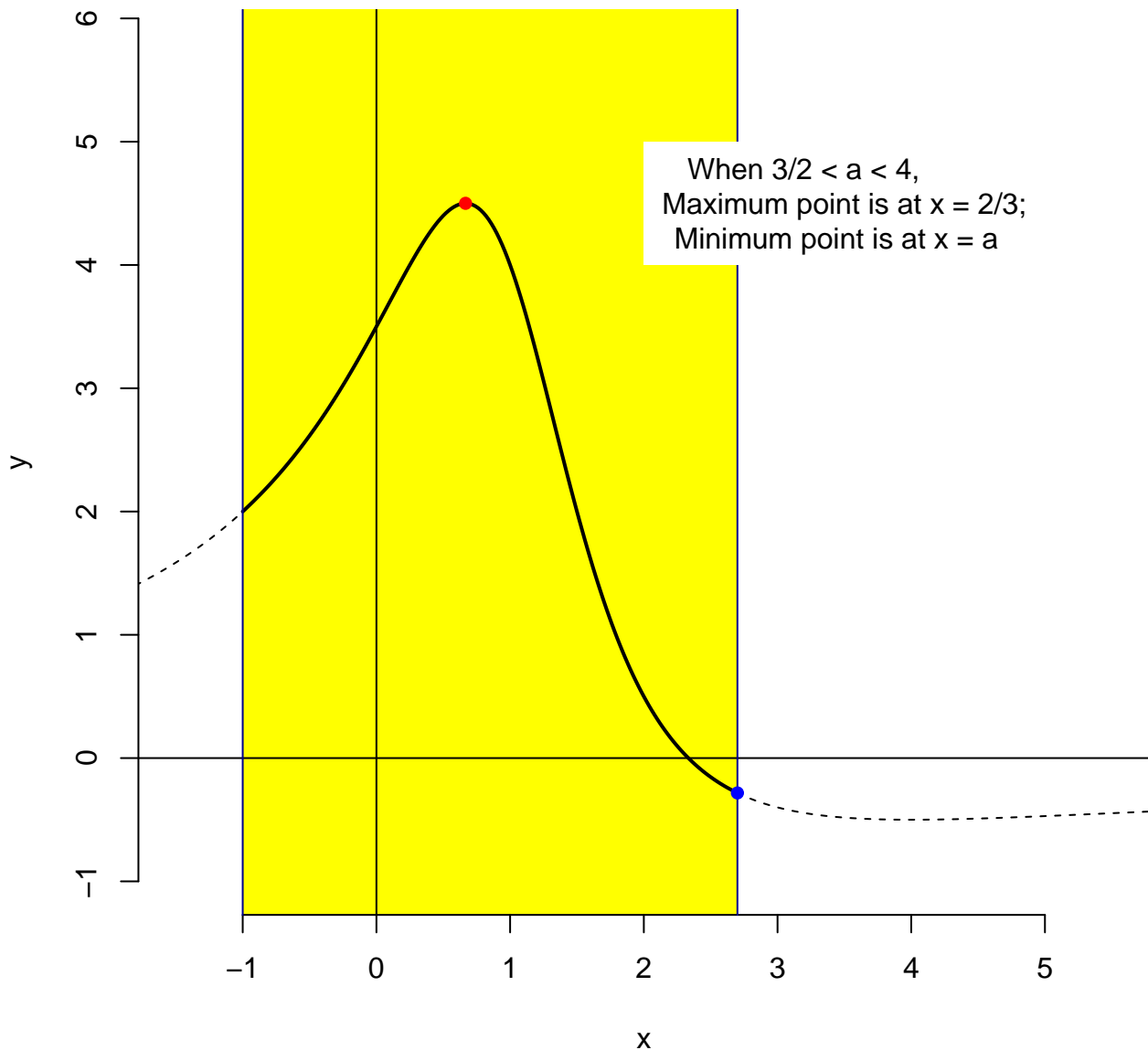
$$a = 2.68$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



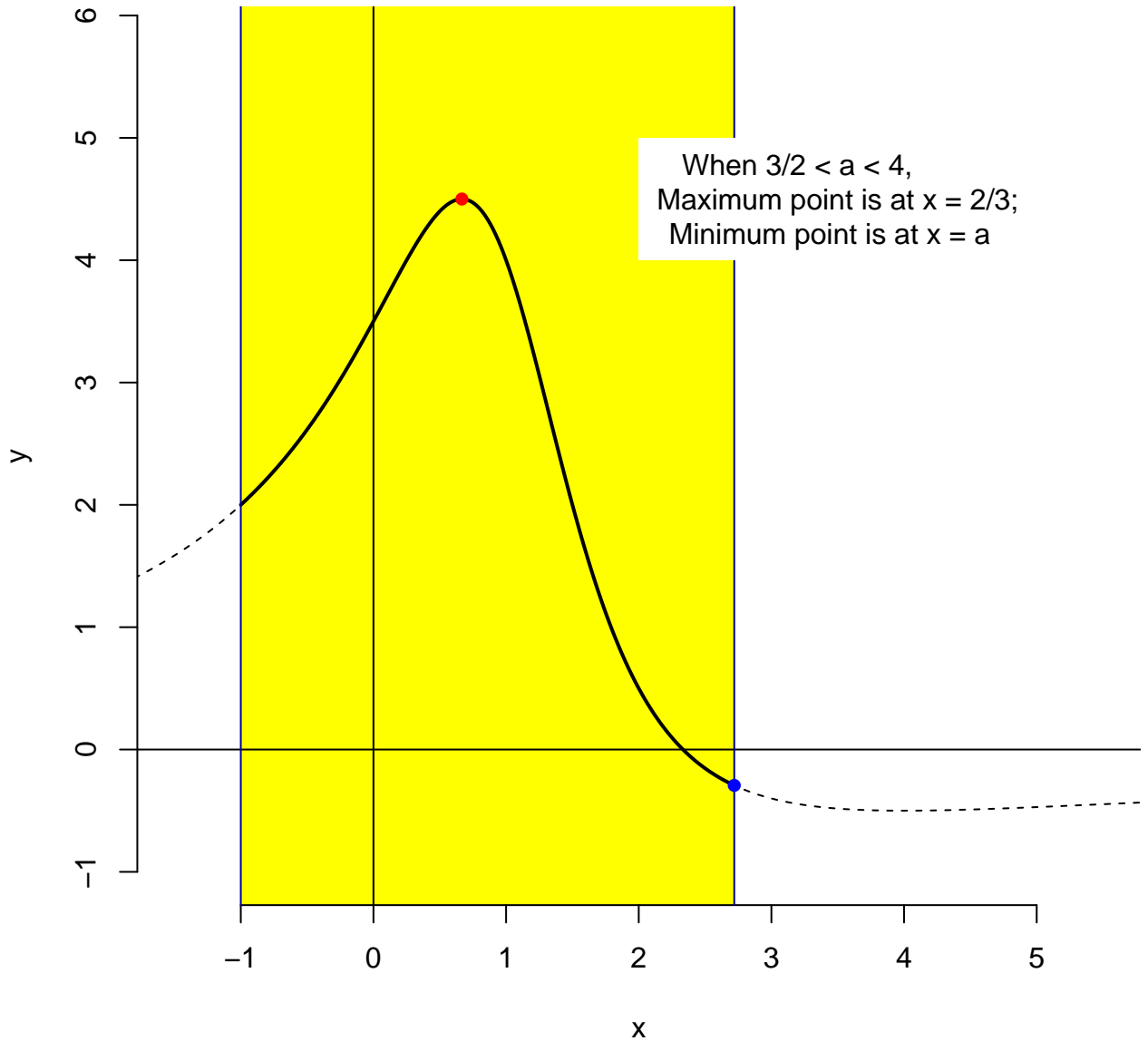
$a = 2.7$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



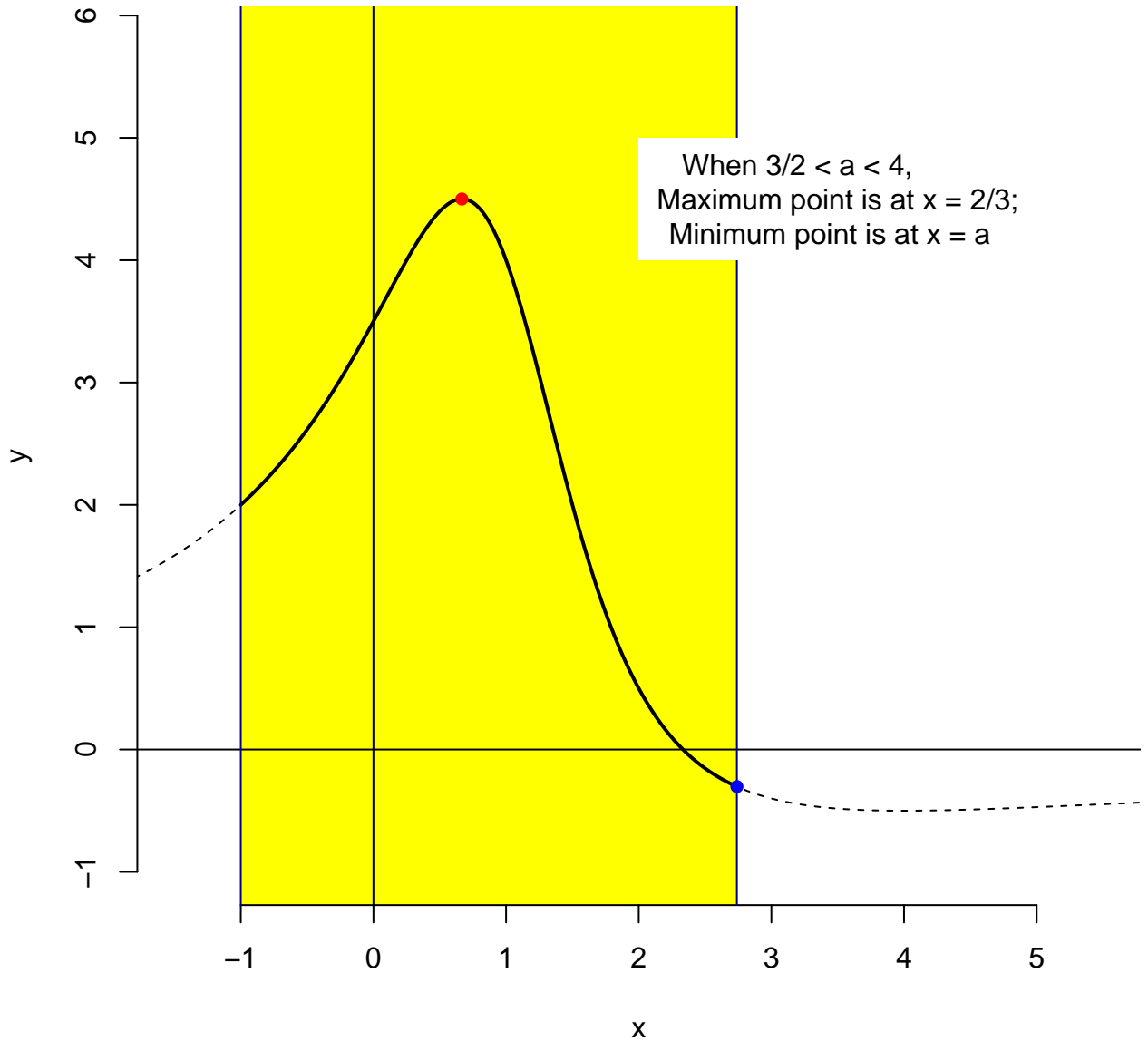
$$a = 2.72$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



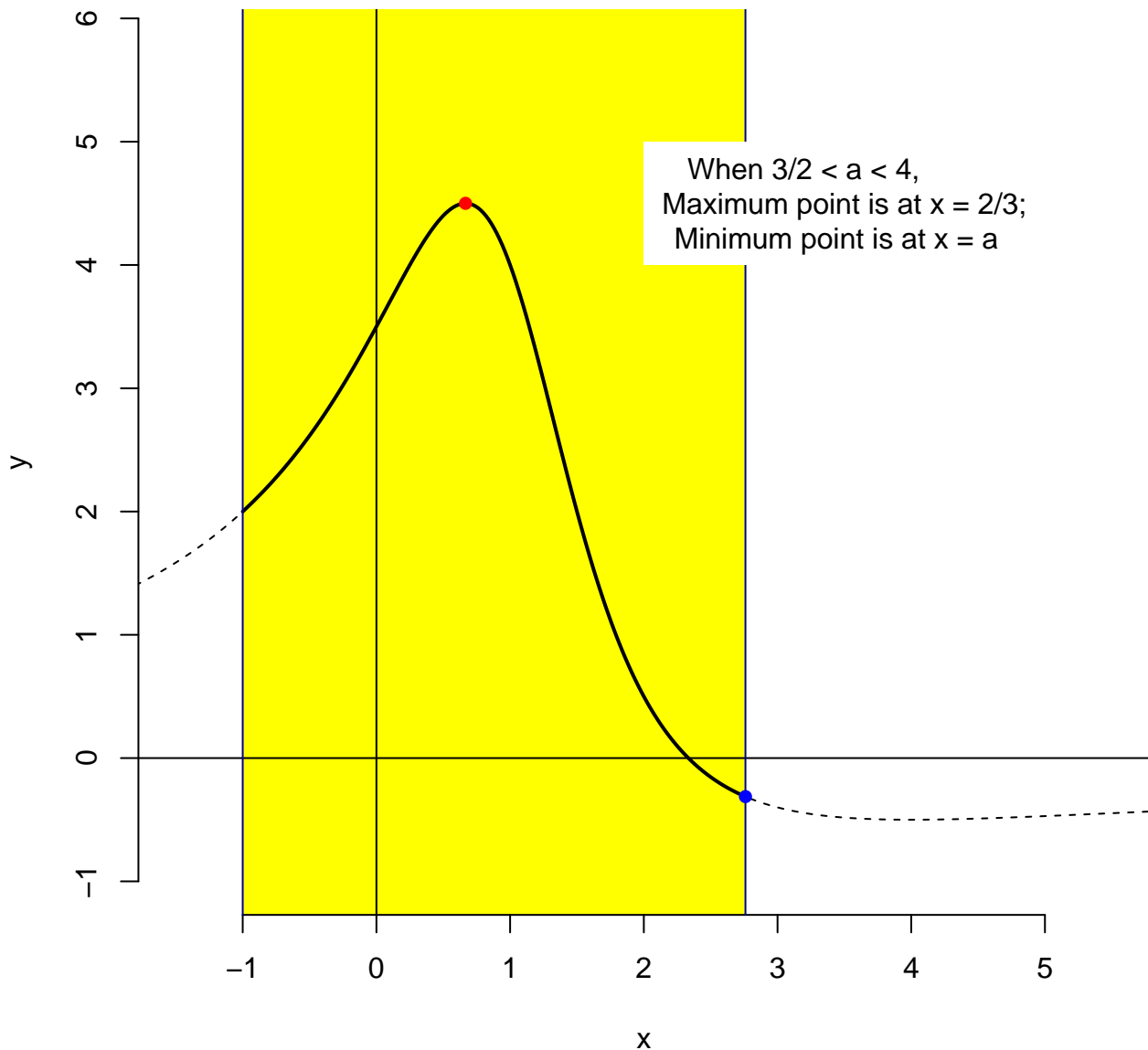
$a = 2.74$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



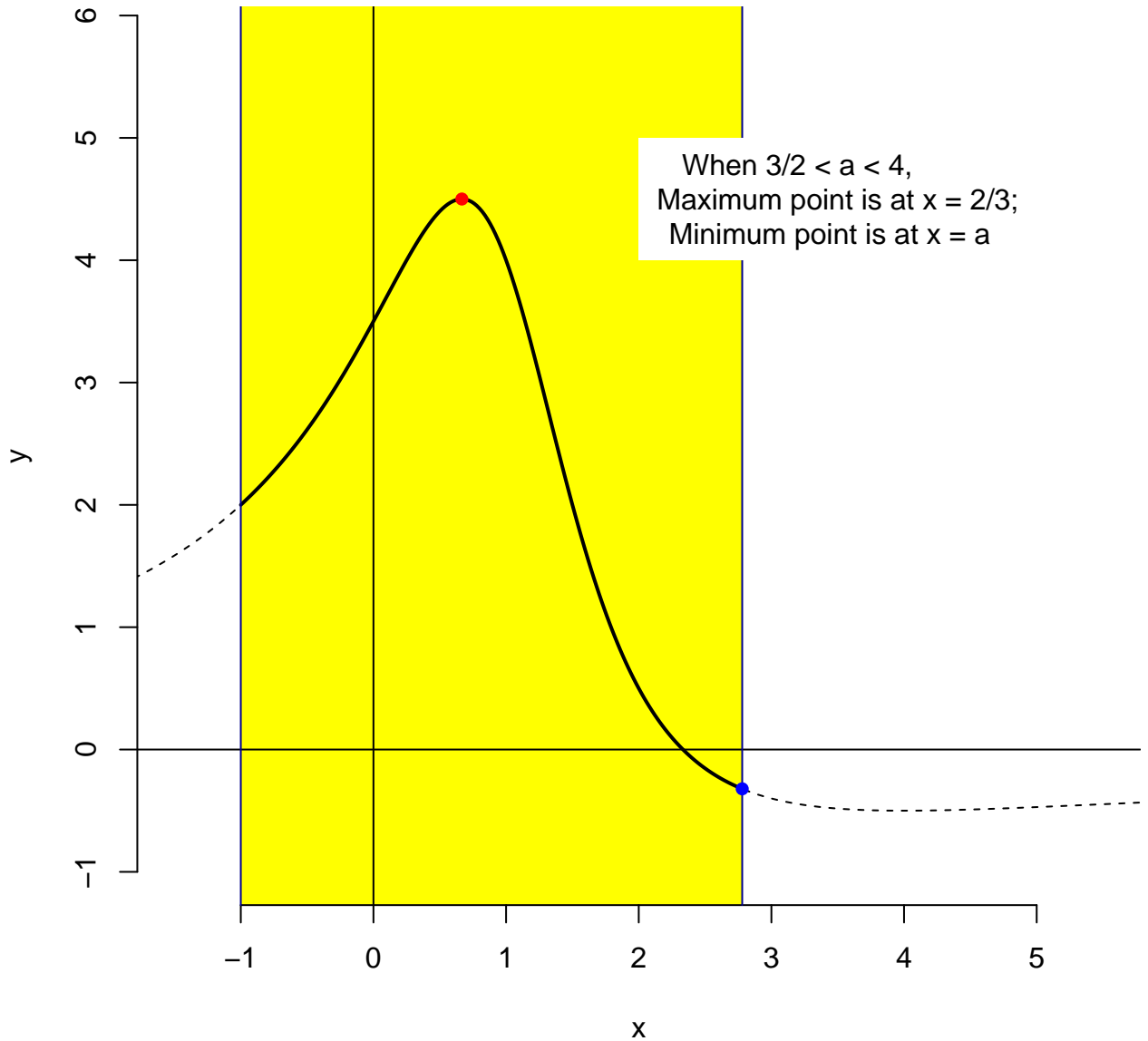
$a = 2.76$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



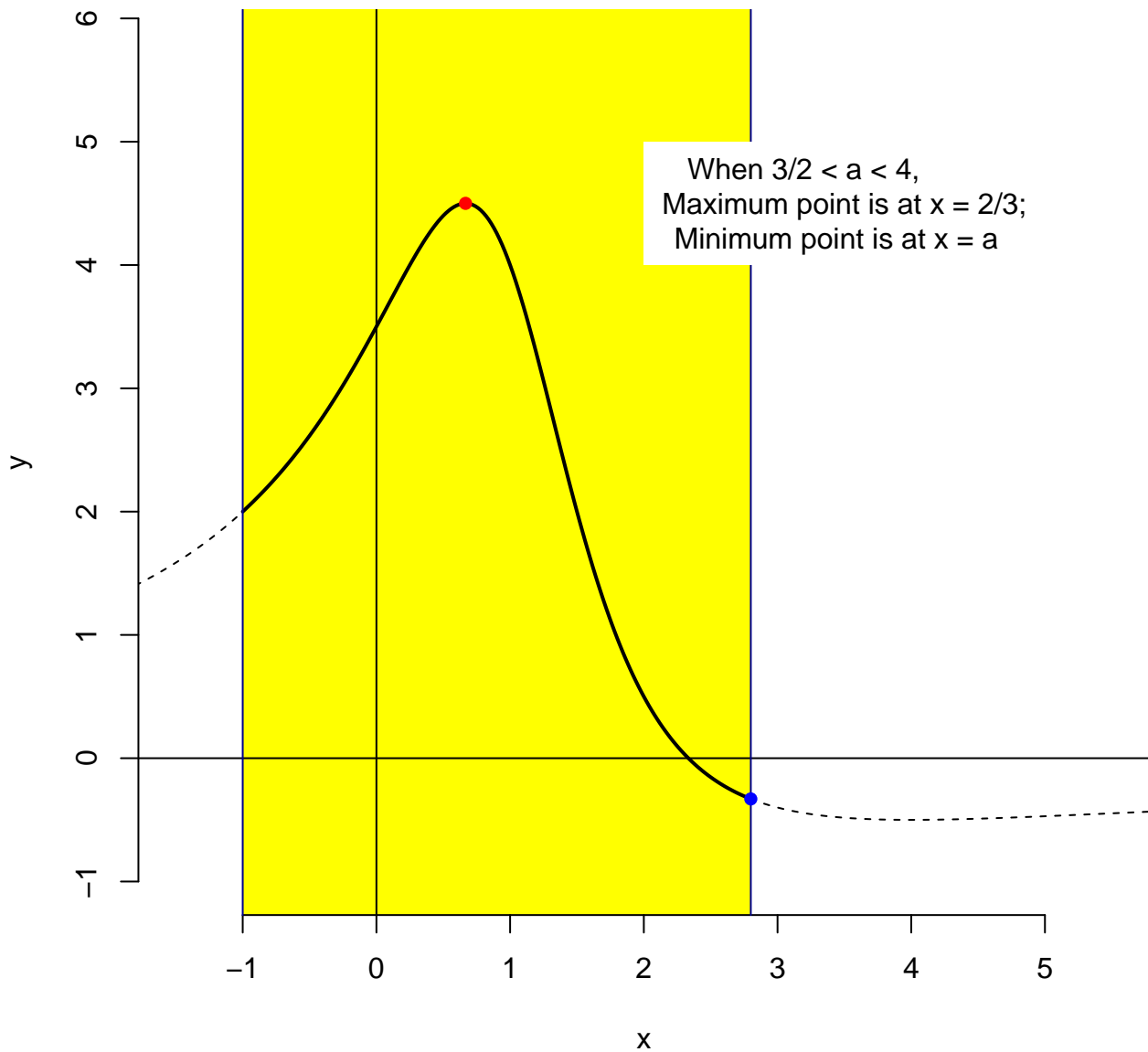
$$a = 2.78$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



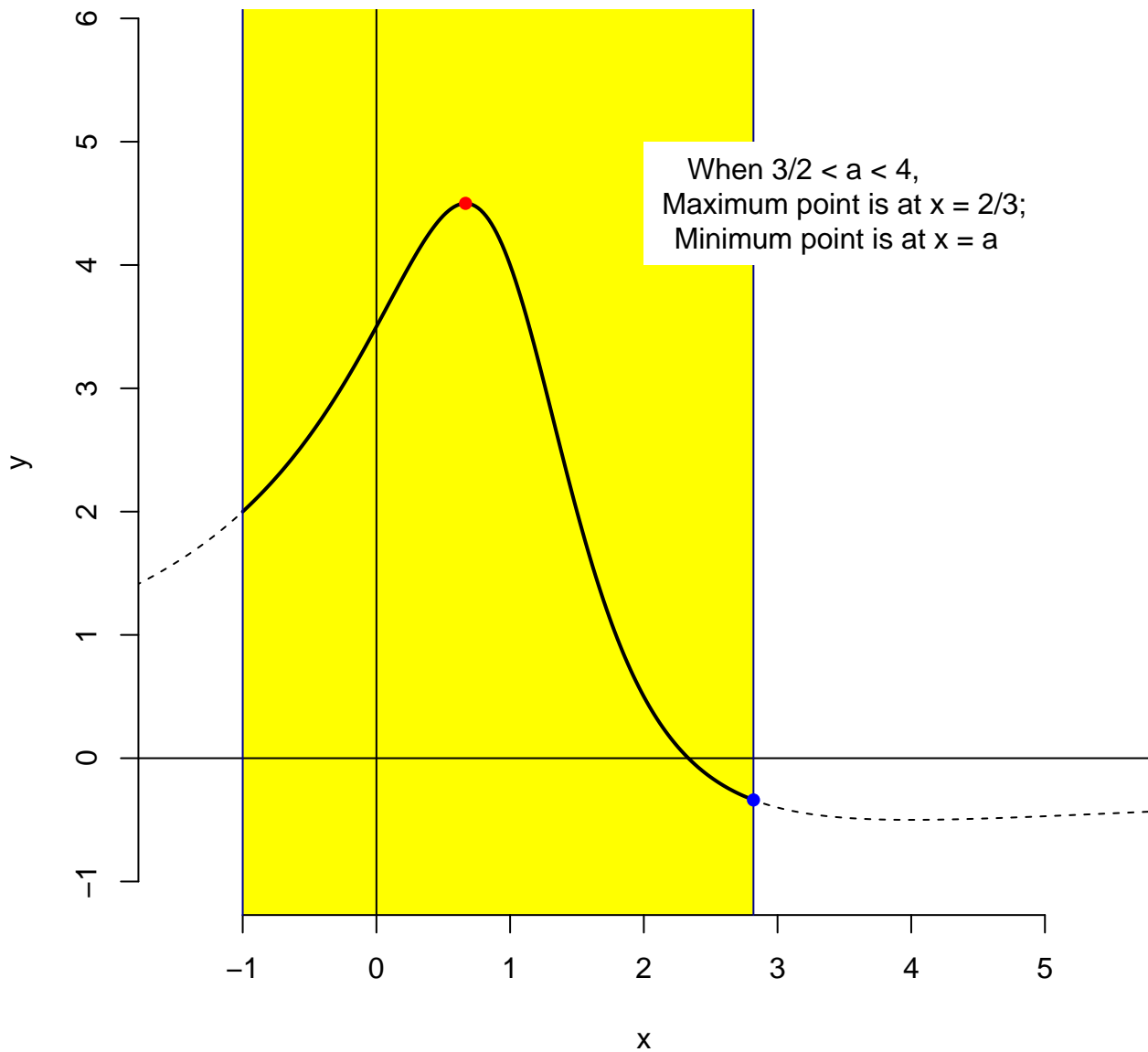
$a = 2.8$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



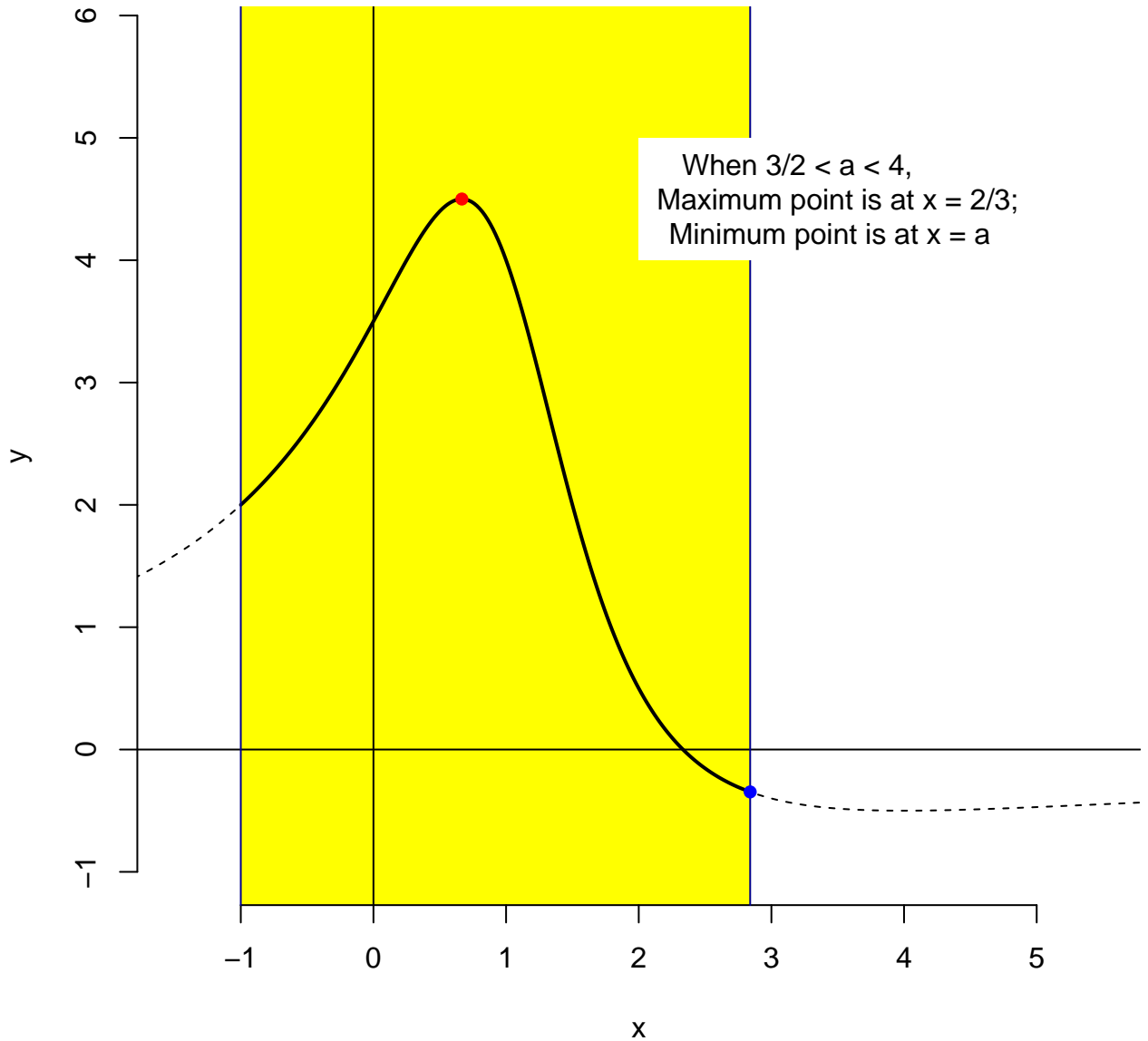
$$a = 2.82$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



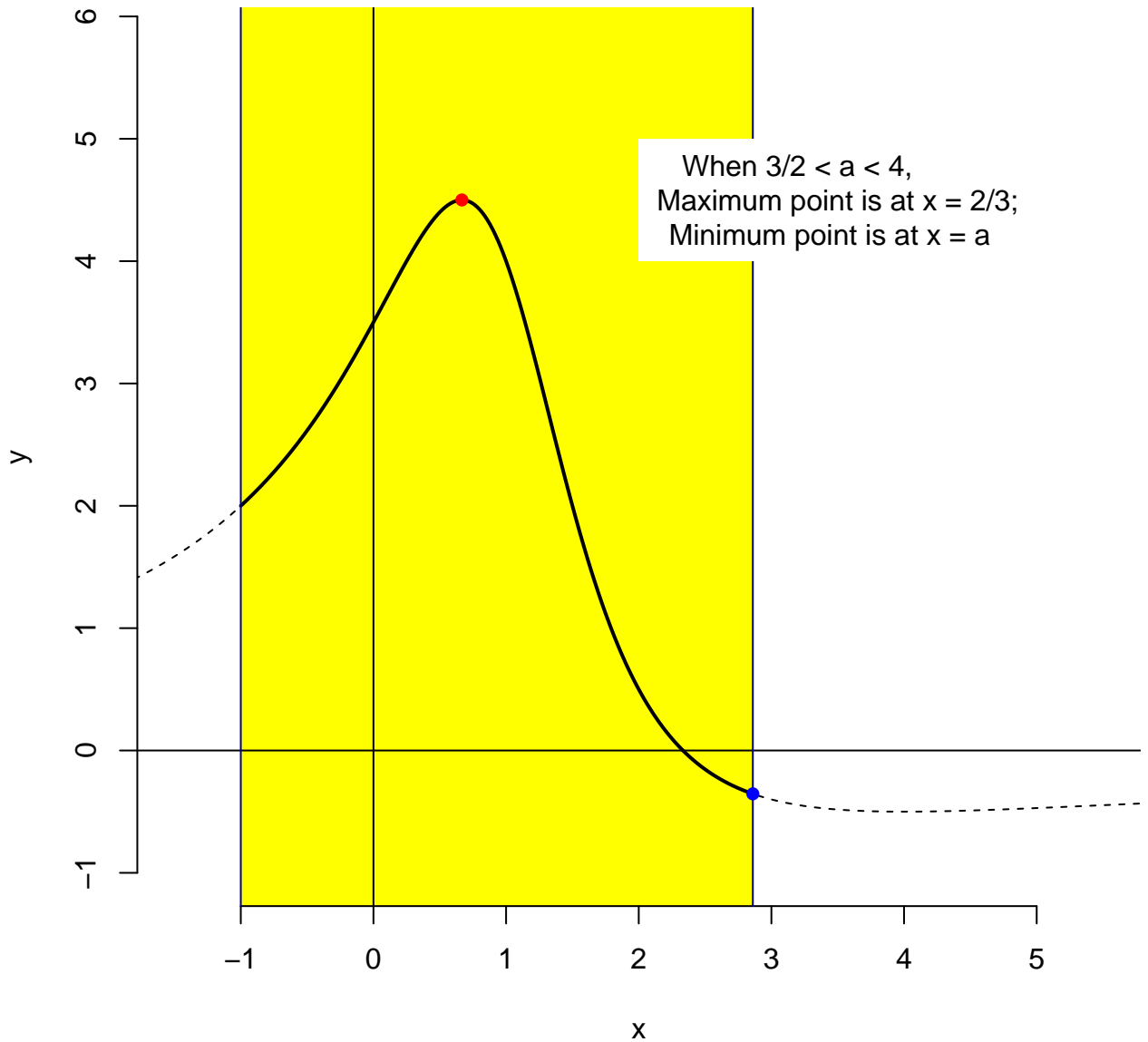
$$a = 2.84$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



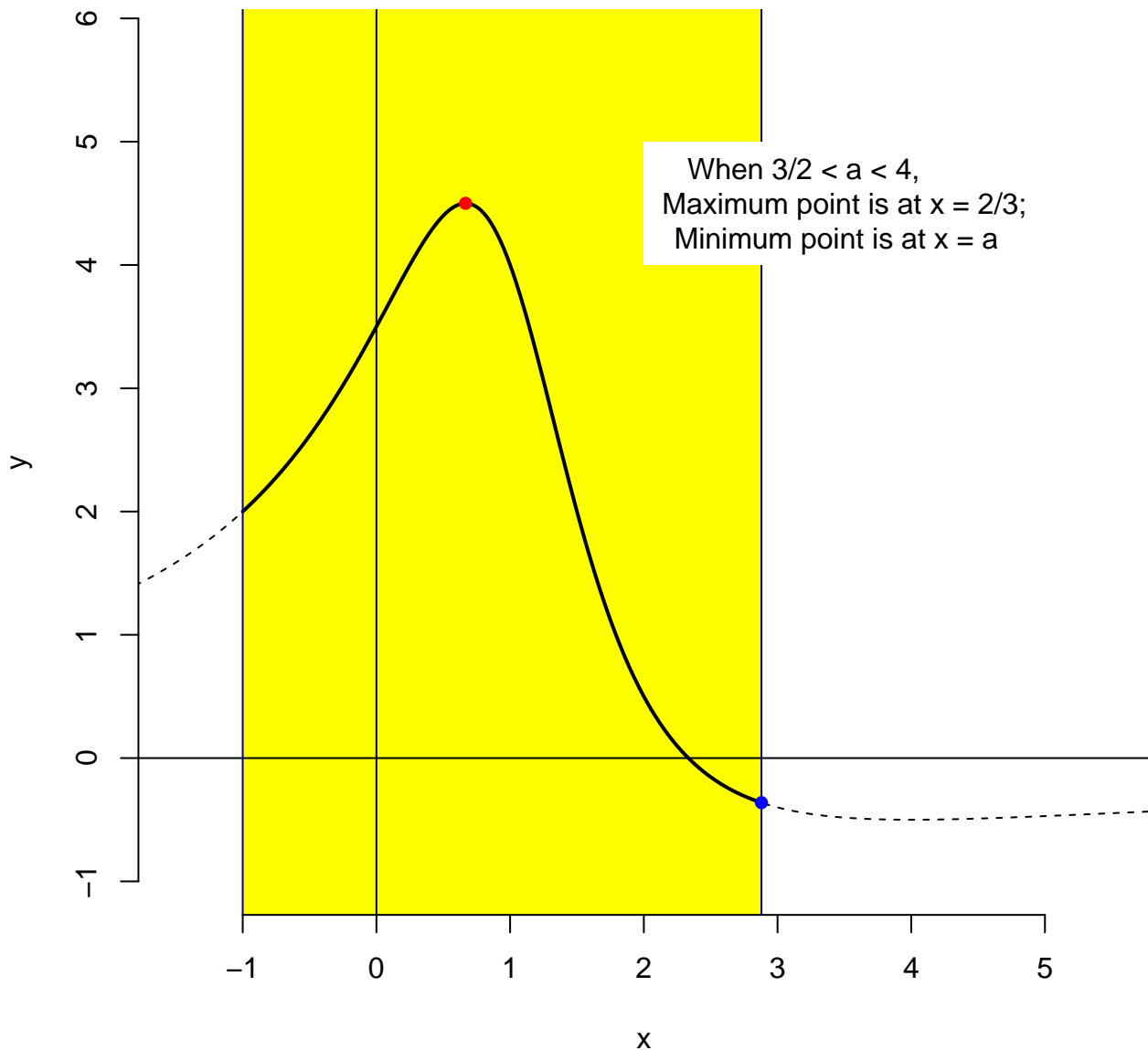
$$a = 2.86$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



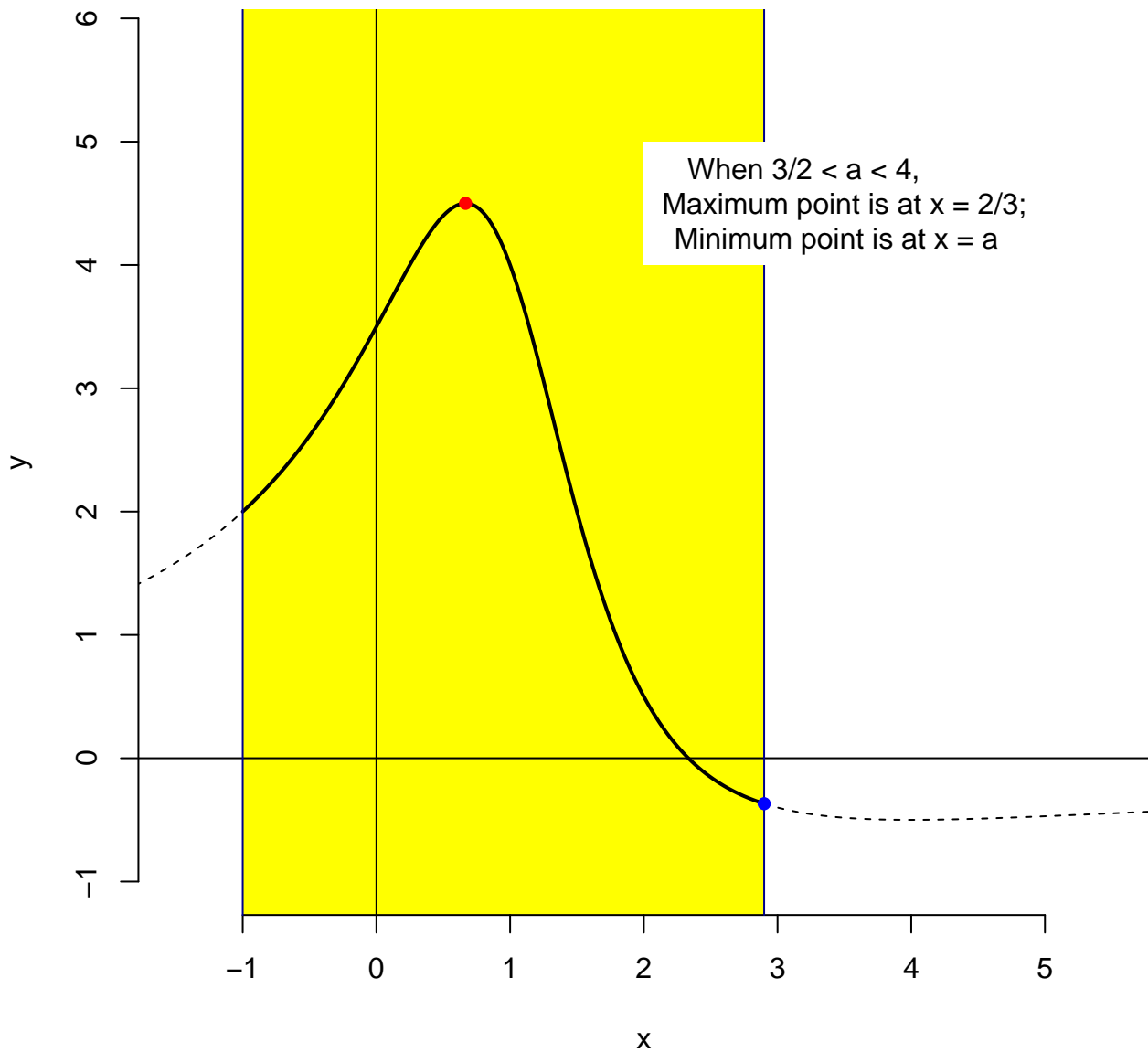
$$a = 2.88$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



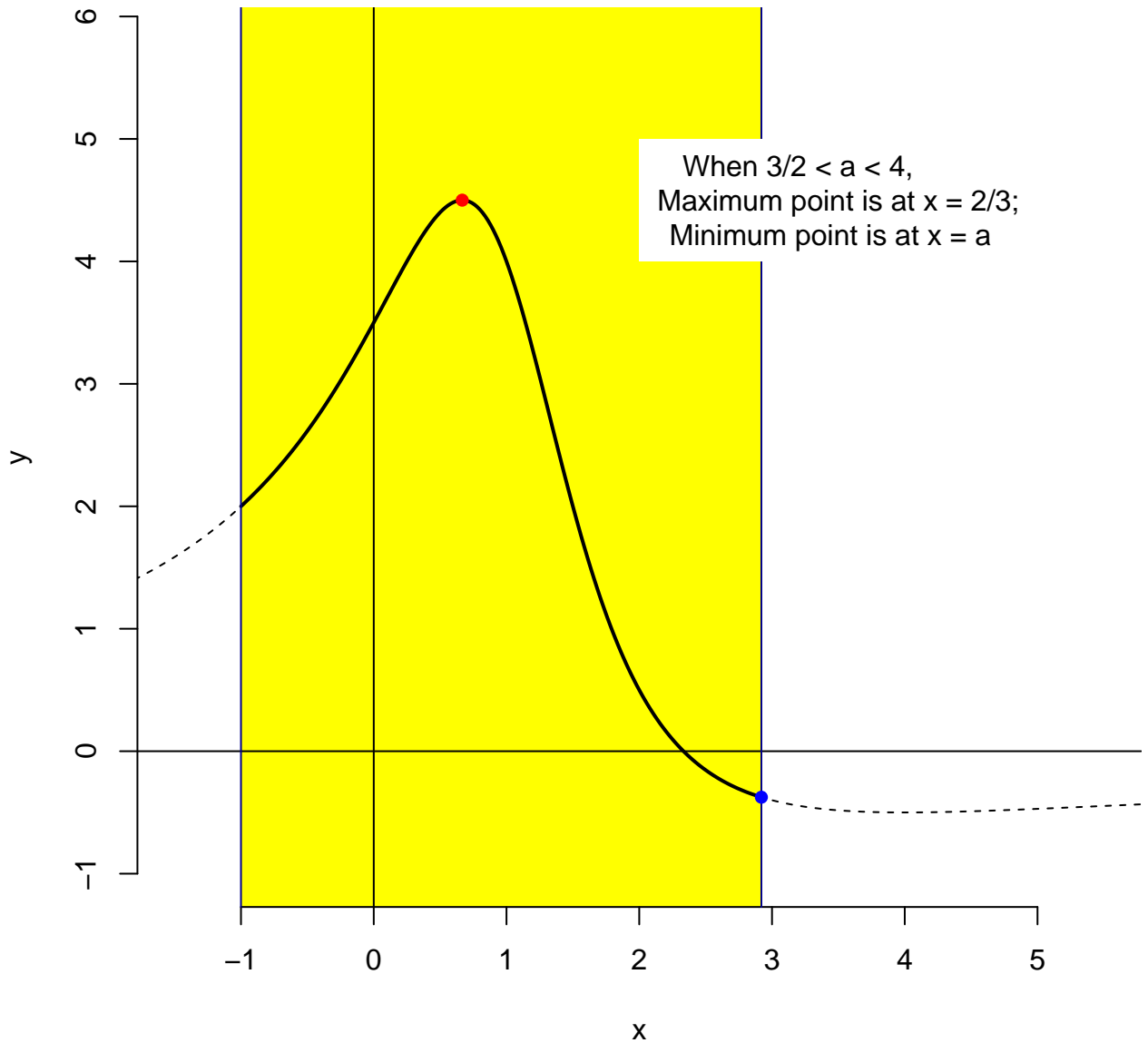
$a = 2.9$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



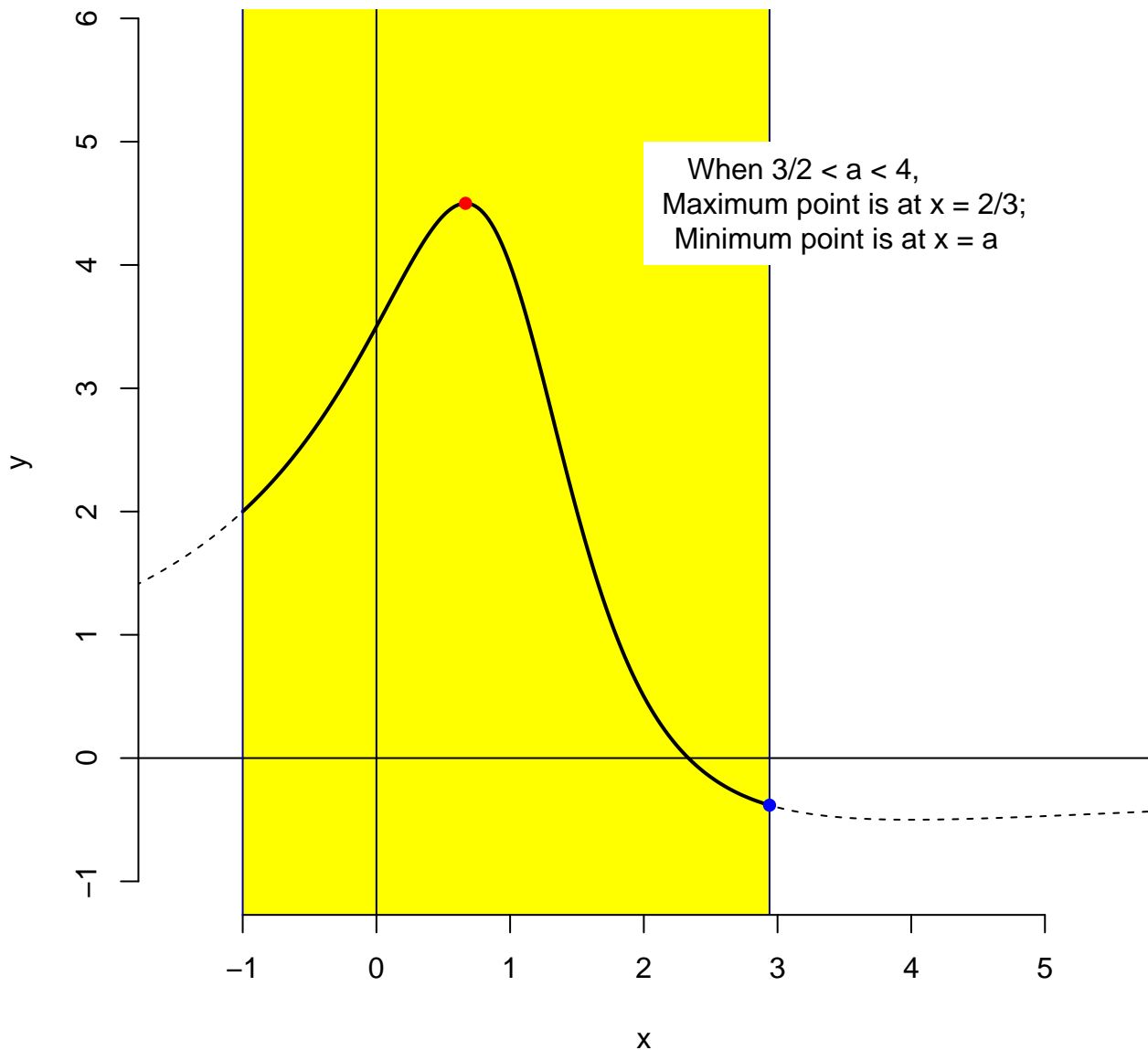
$$a = 2.92$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



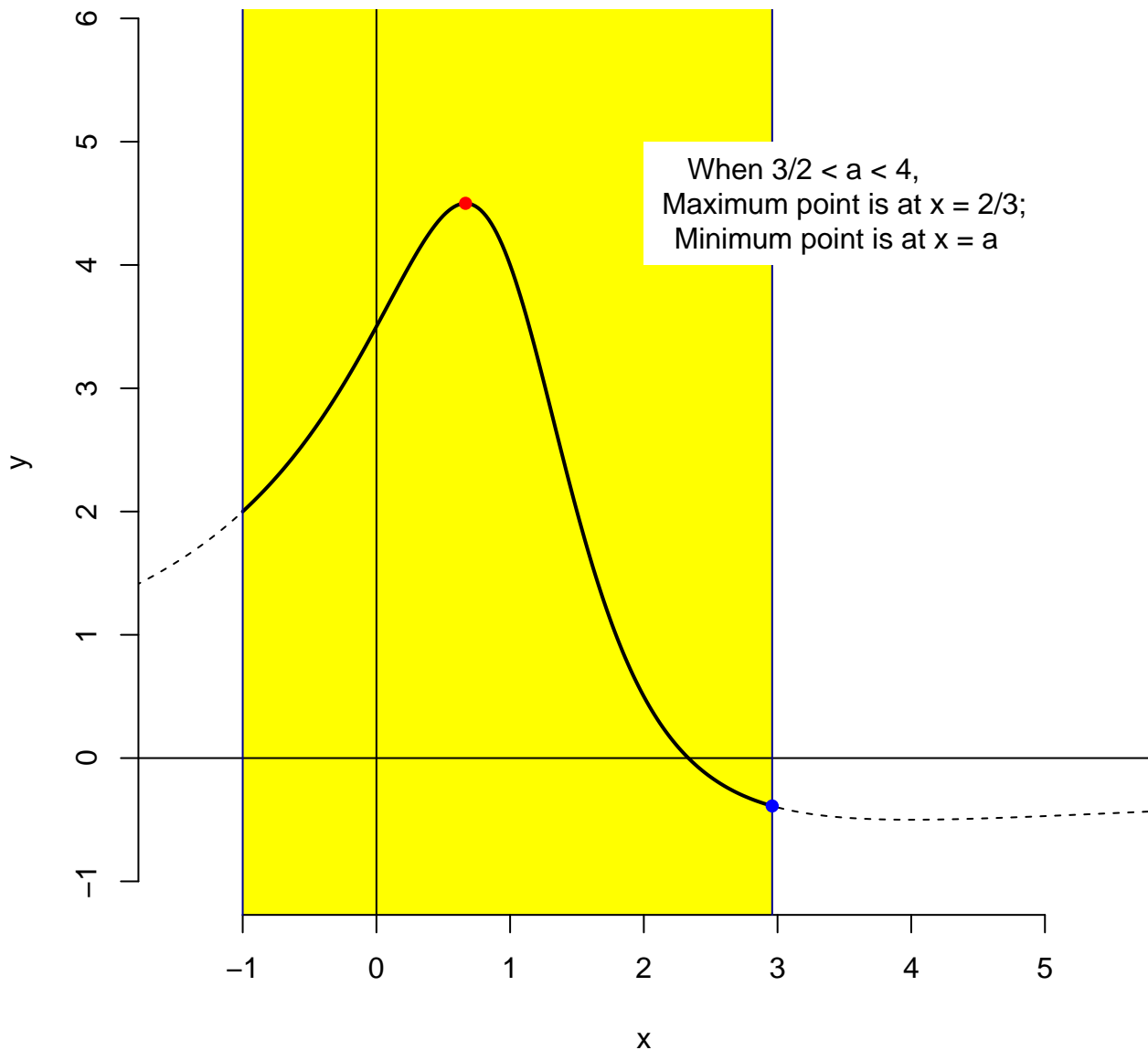
$$a = 2.94$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



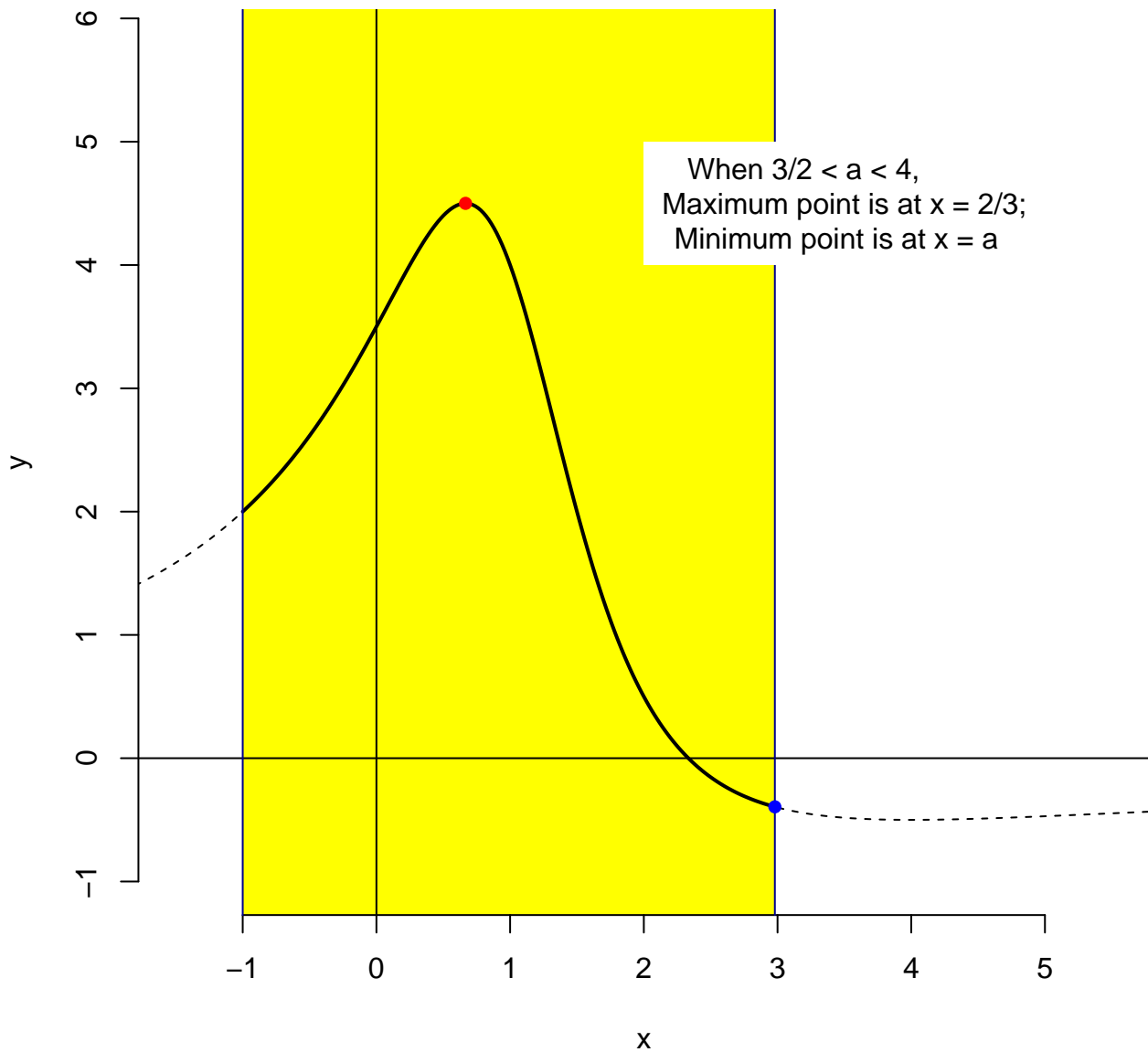
$a = 2.96$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



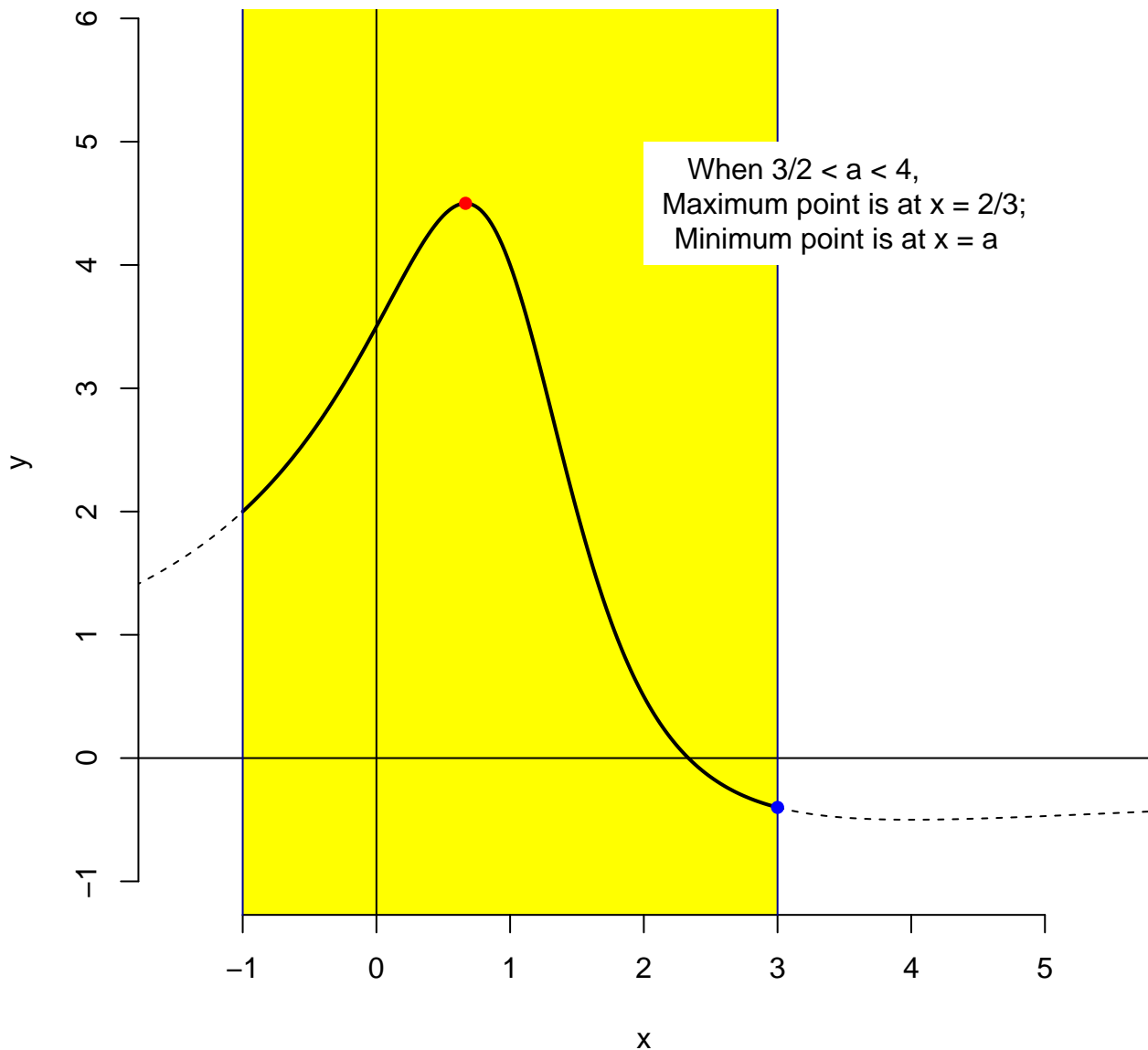
$$a = 2.98$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



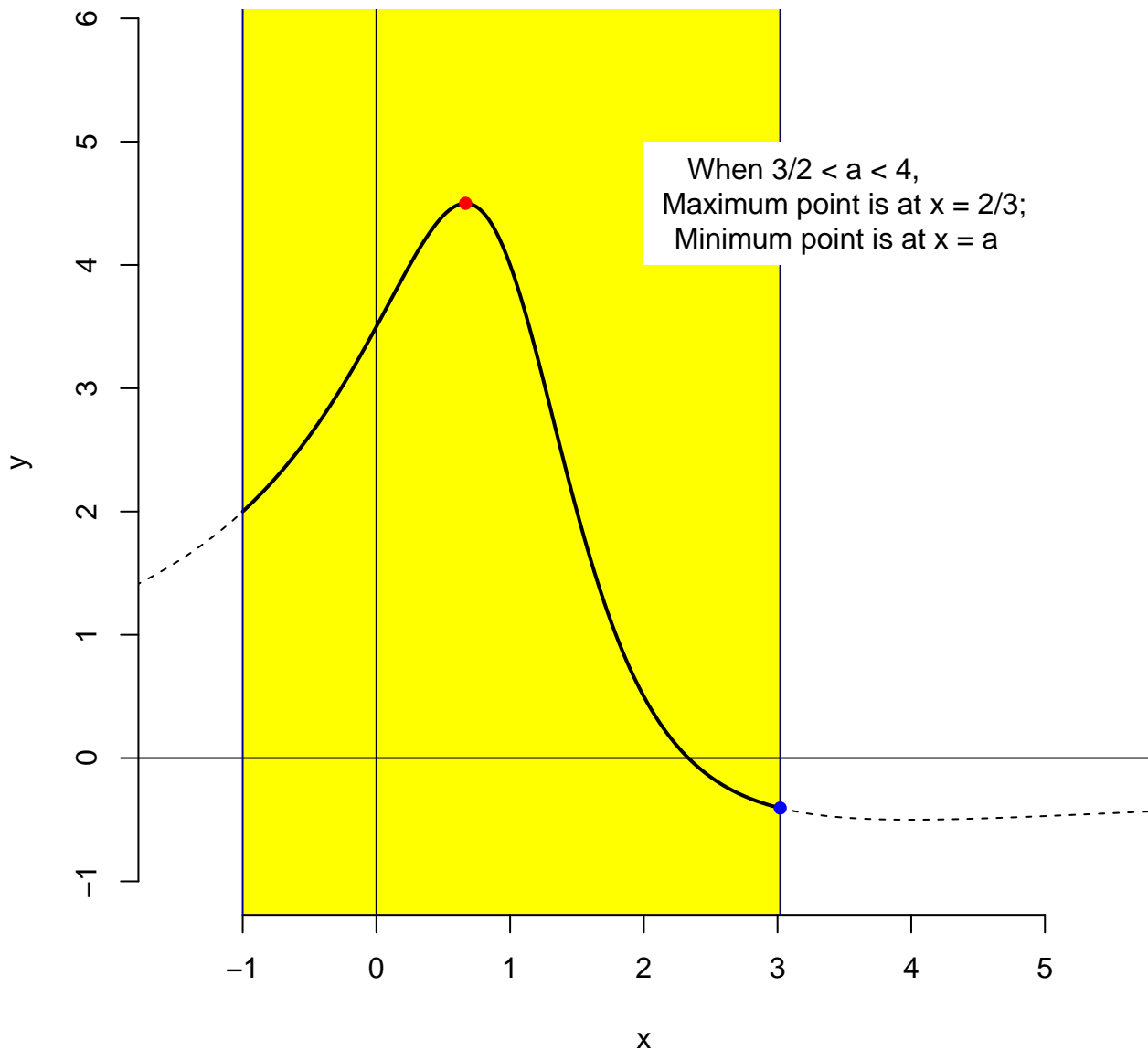
$a = 3$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



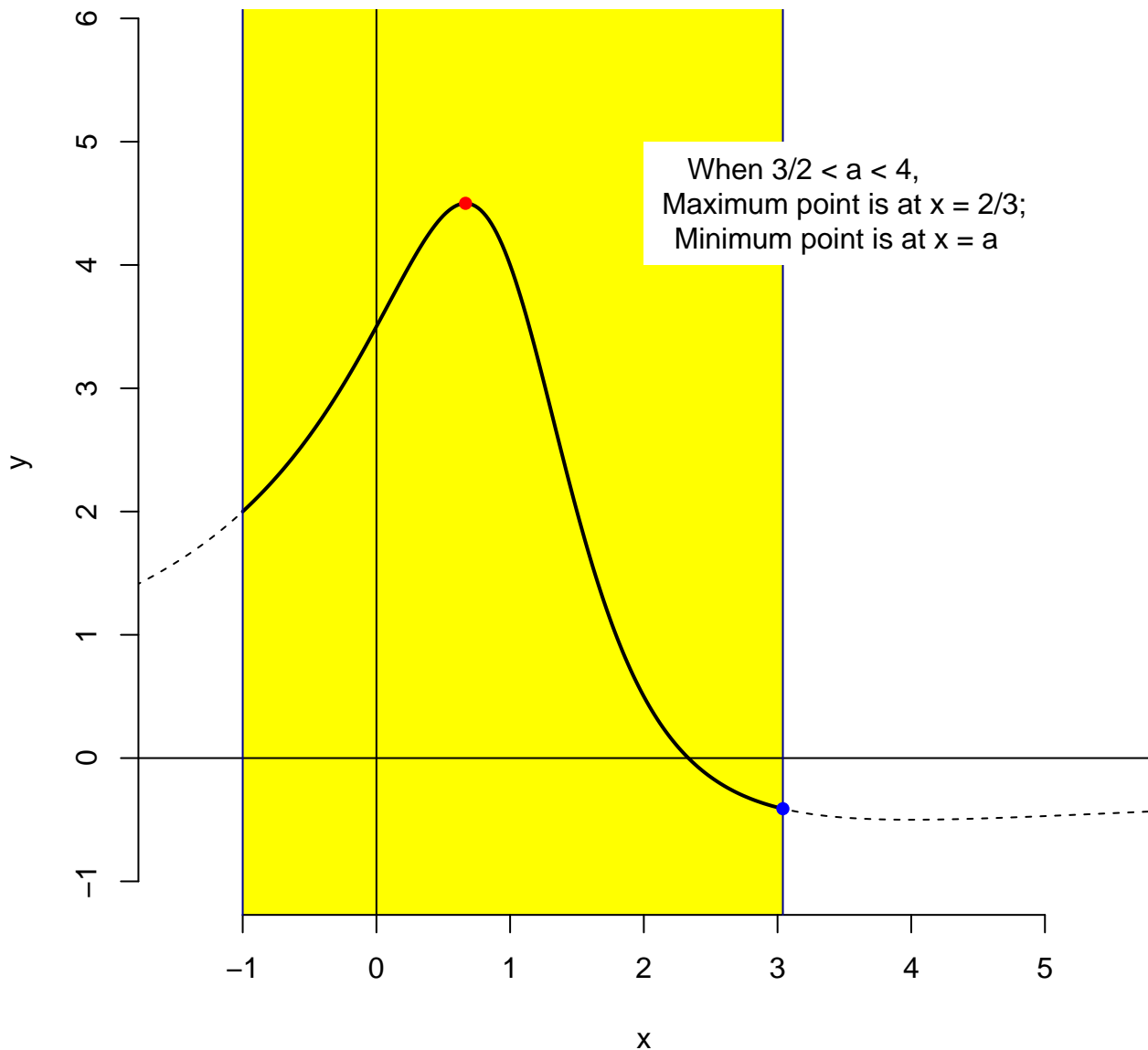
$$a = 3.02$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



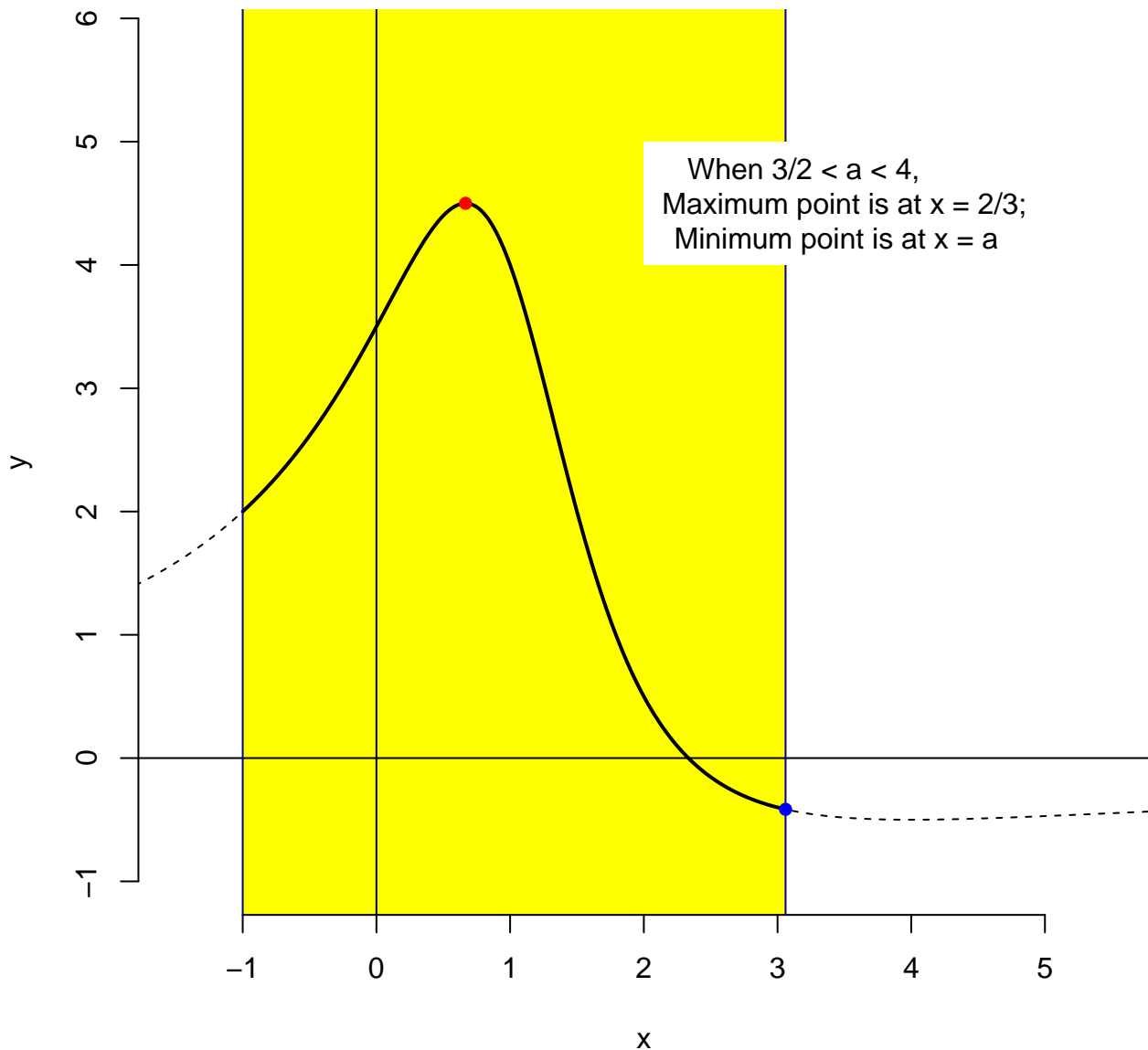
$$a = 3.04$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



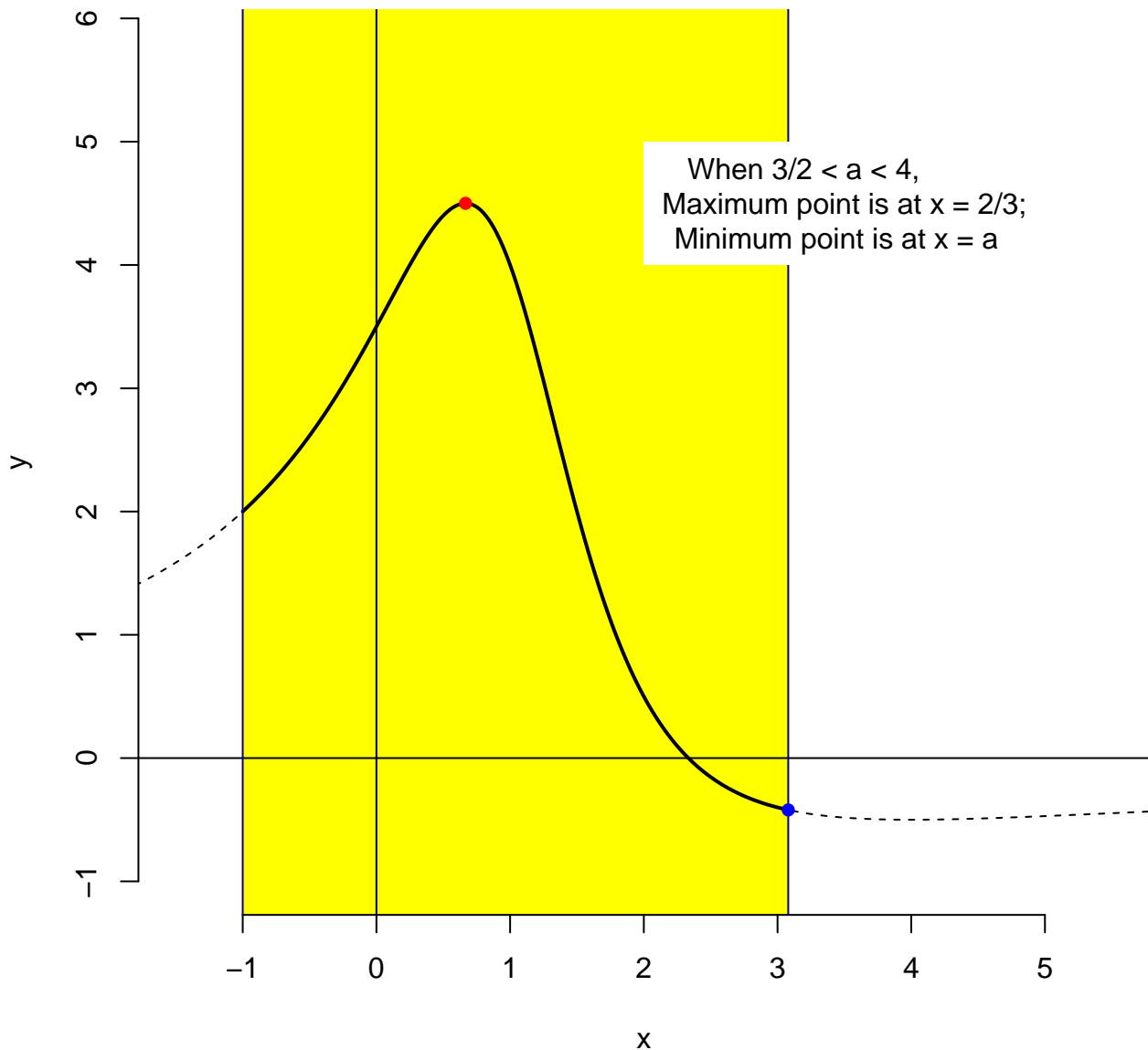
$$a = 3.06$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



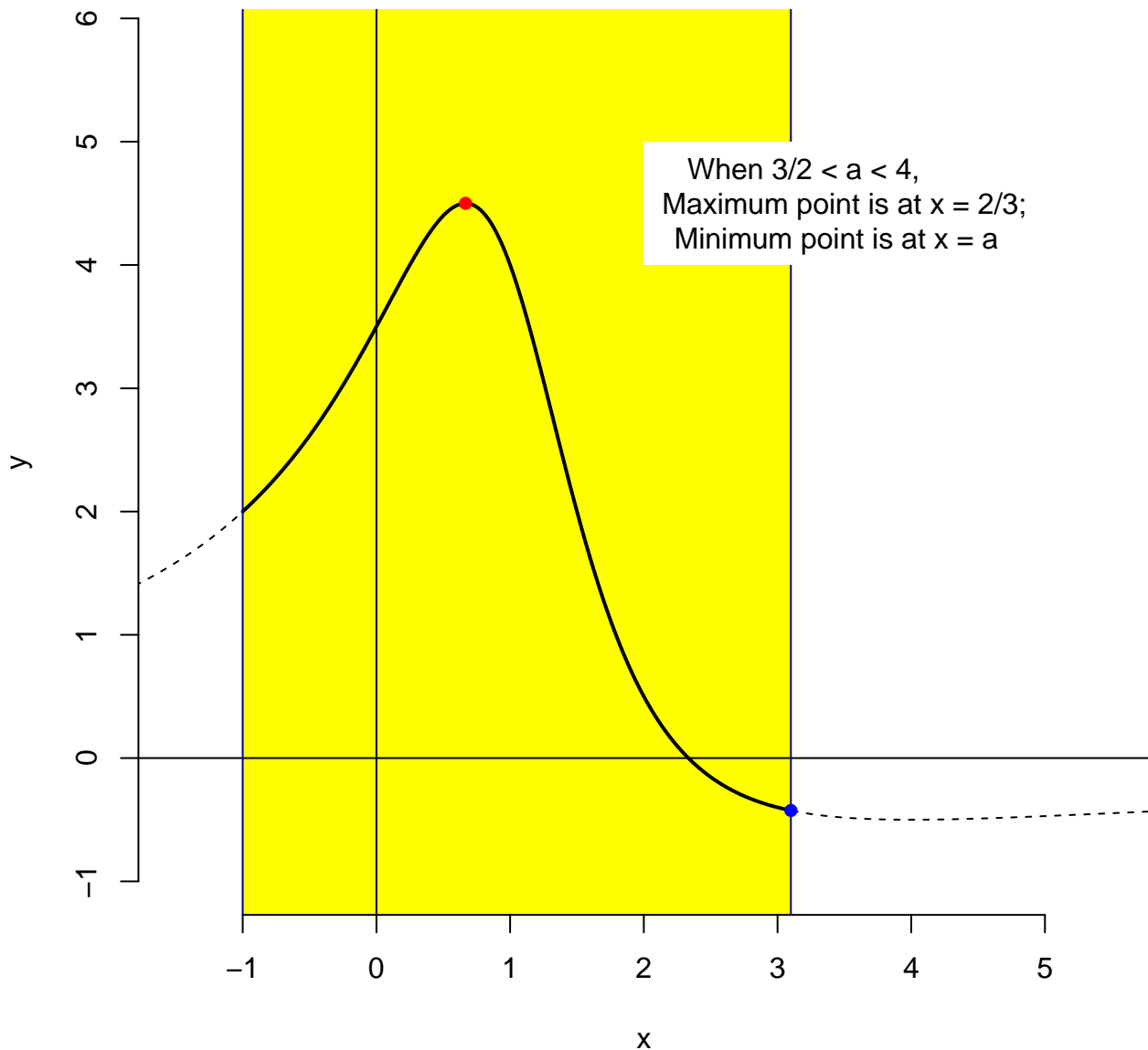
$$a = 3.08$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



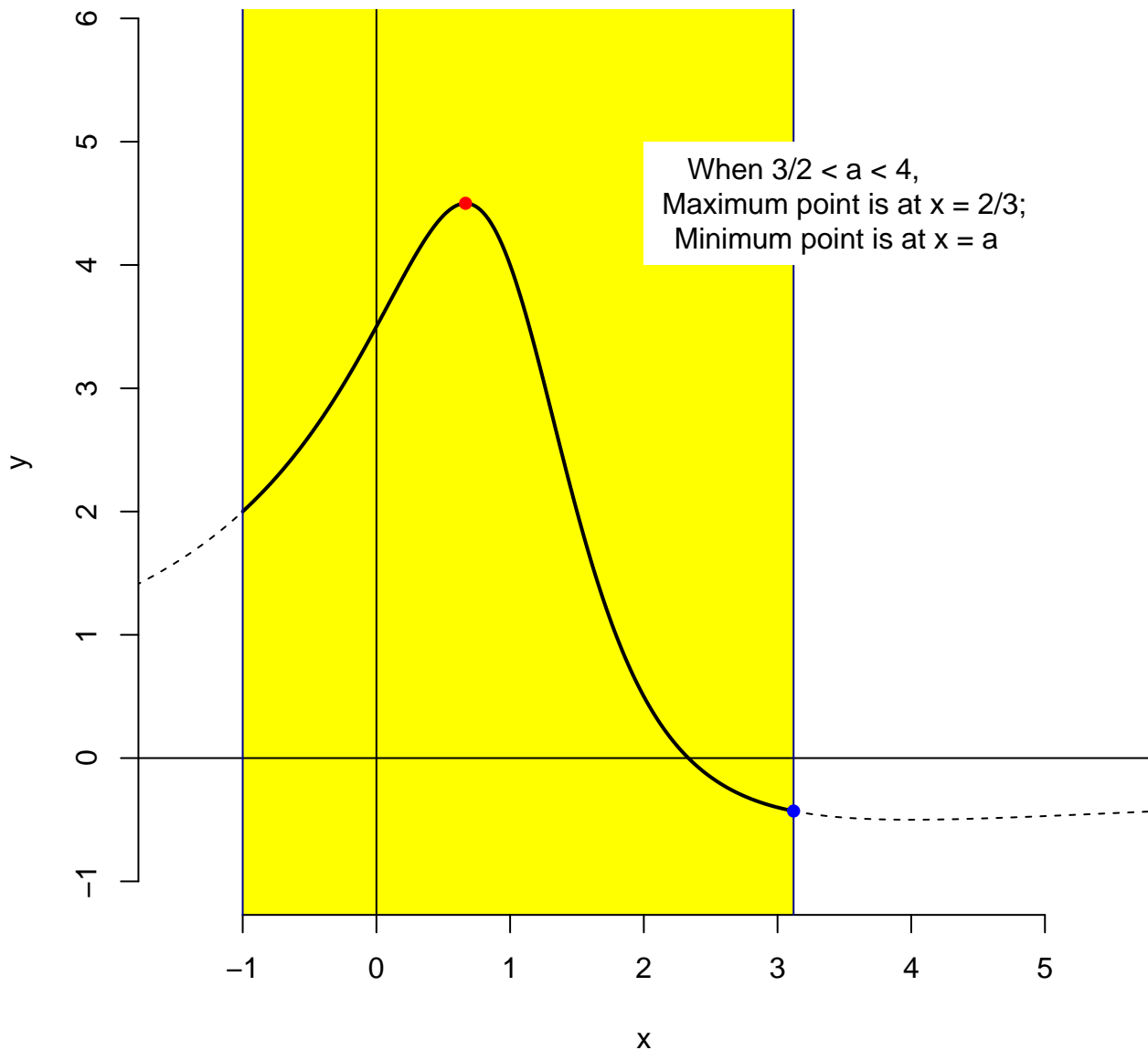
$a = 3.1$

When $3/2 < a < 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = a$



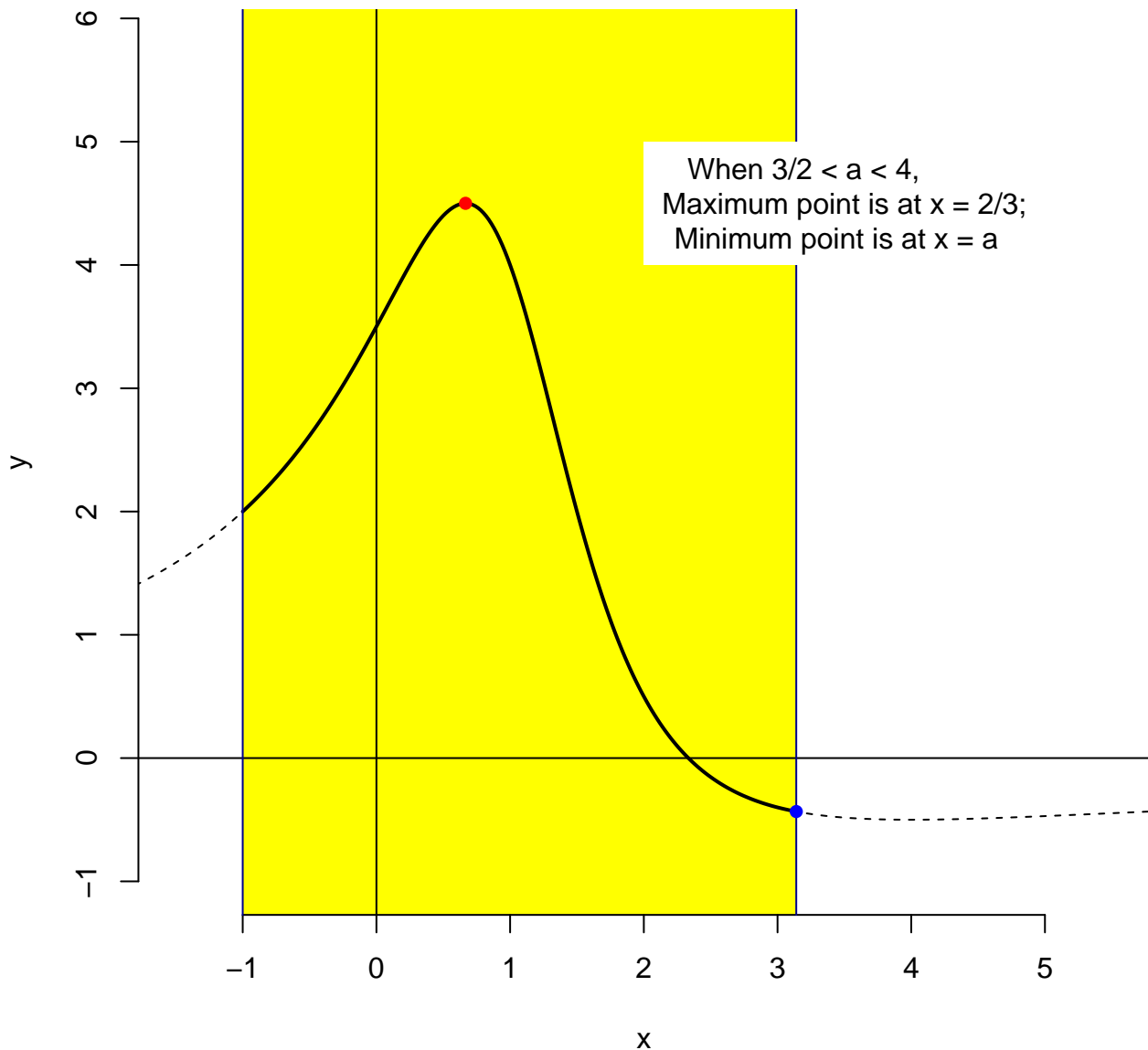
$$a = 3.12$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



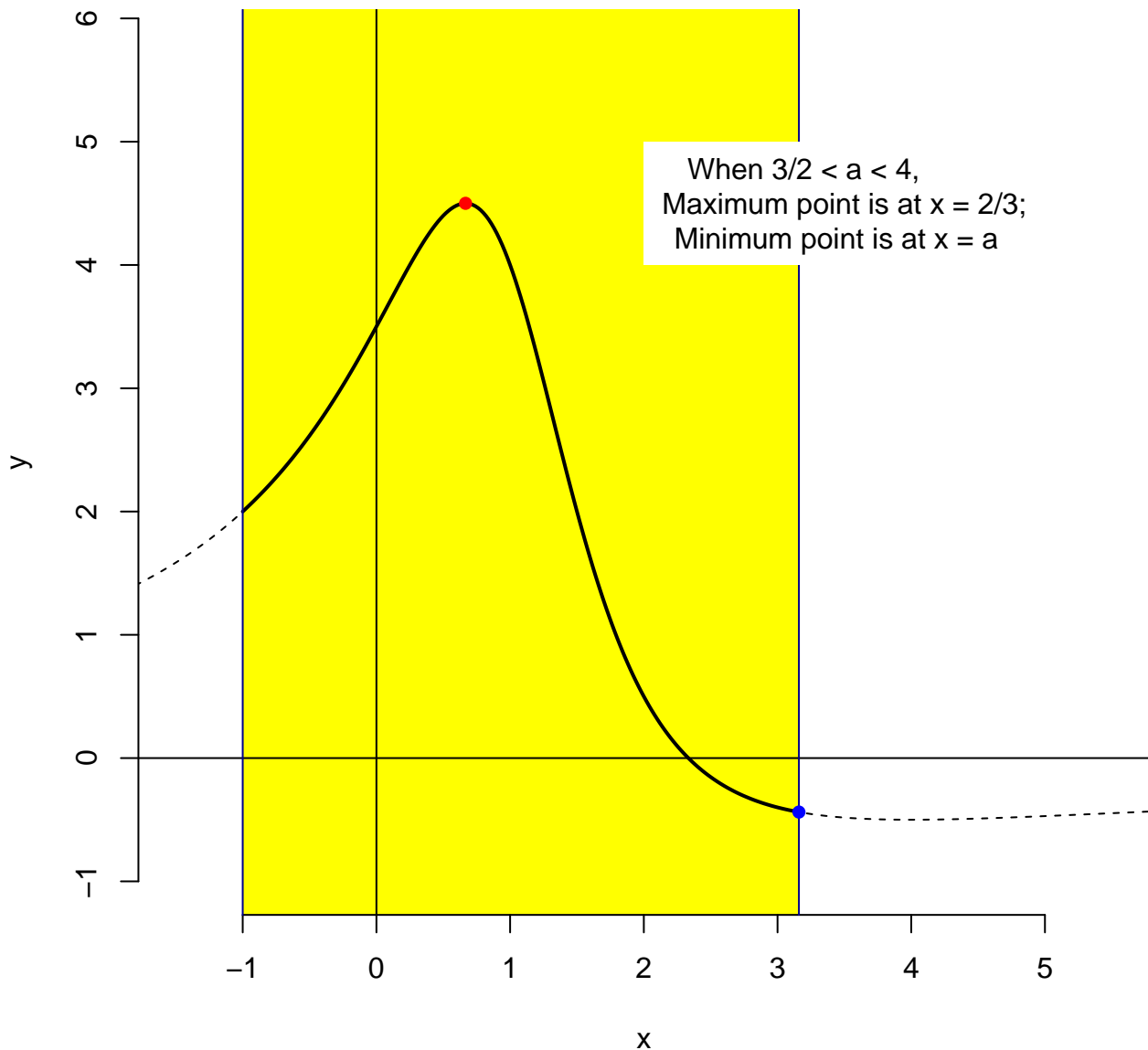
$$a = 3.14$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



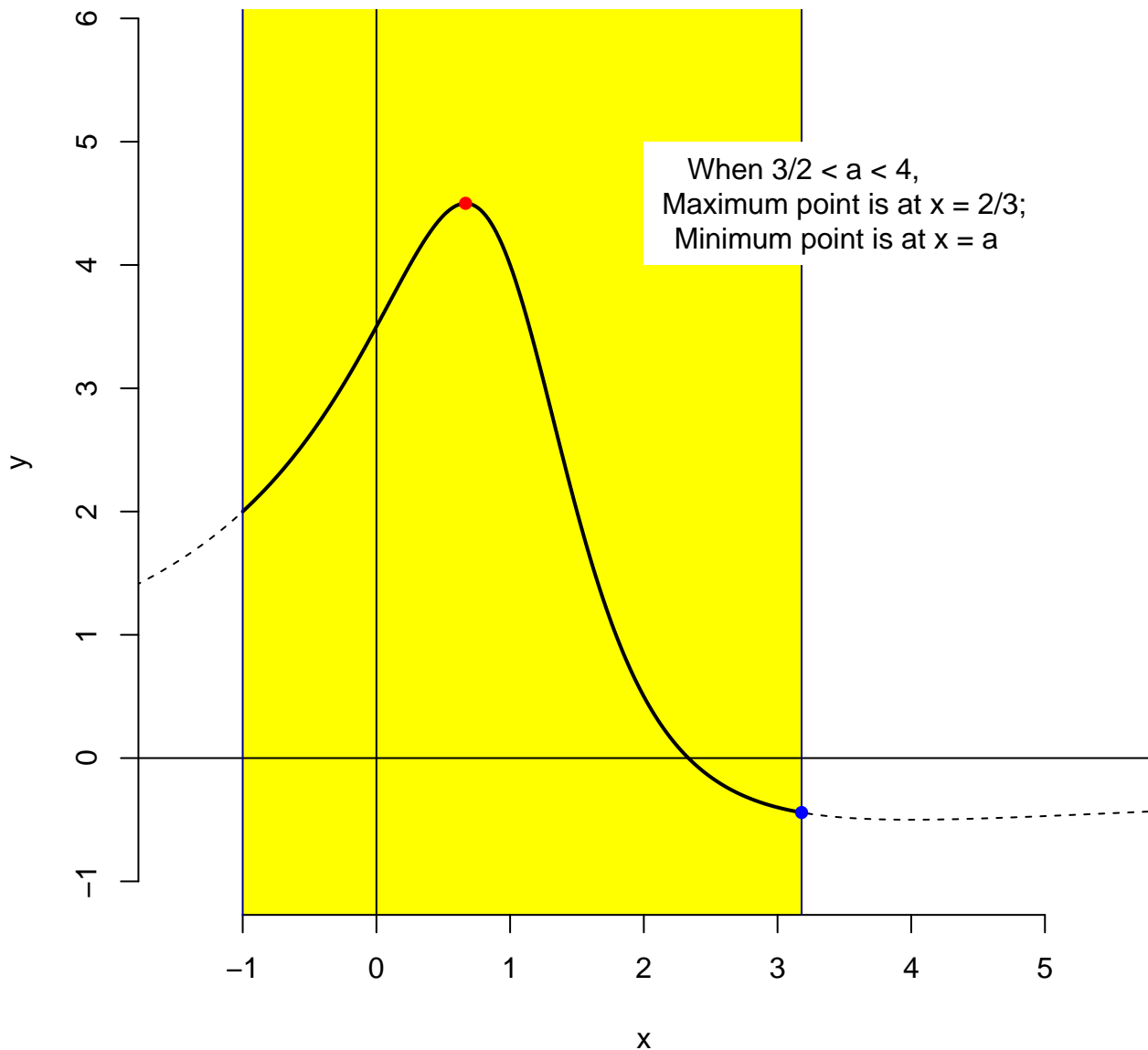
$$a = 3.16$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



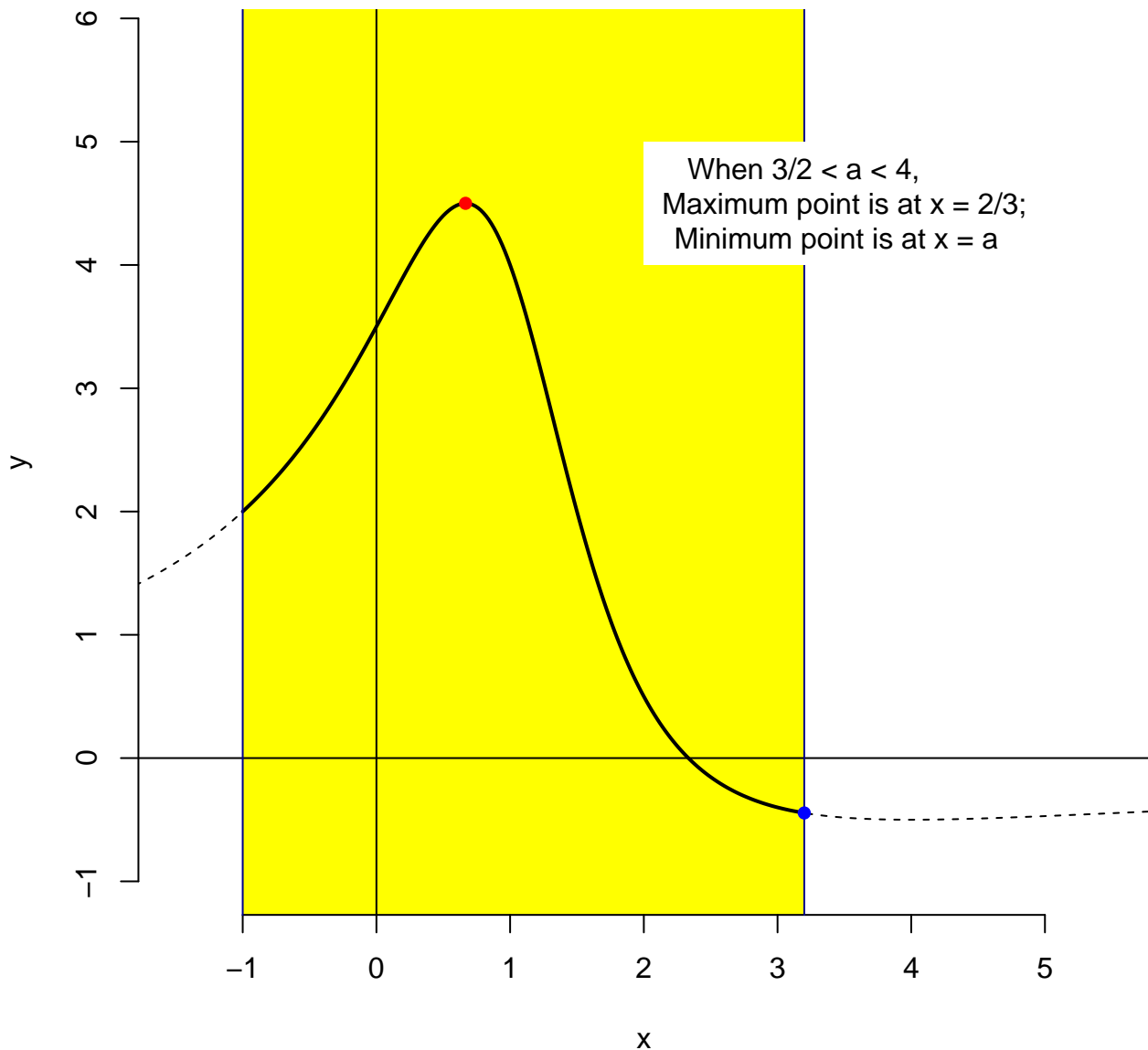
$$a = 3.18$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



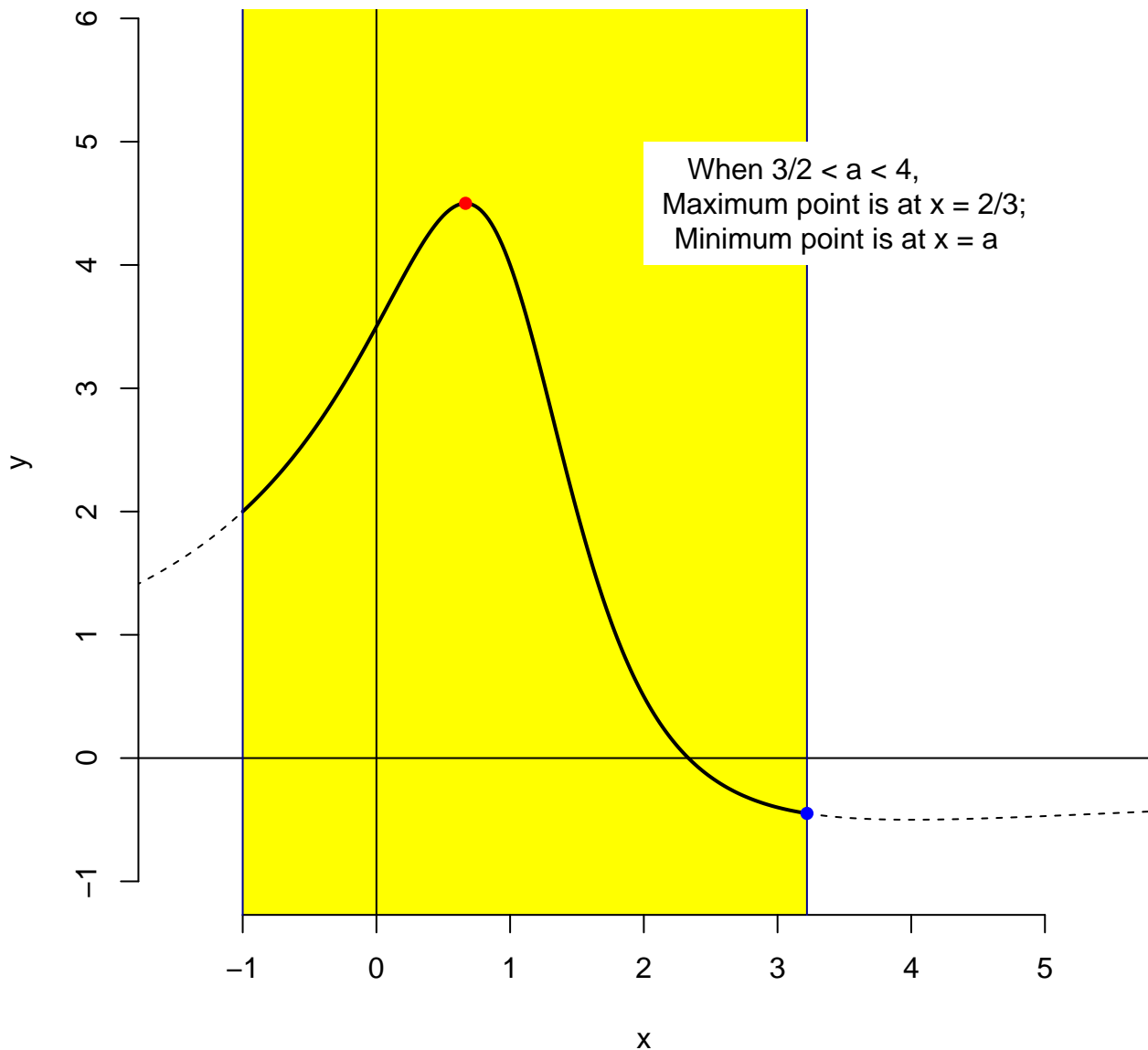
$a = 3.2$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



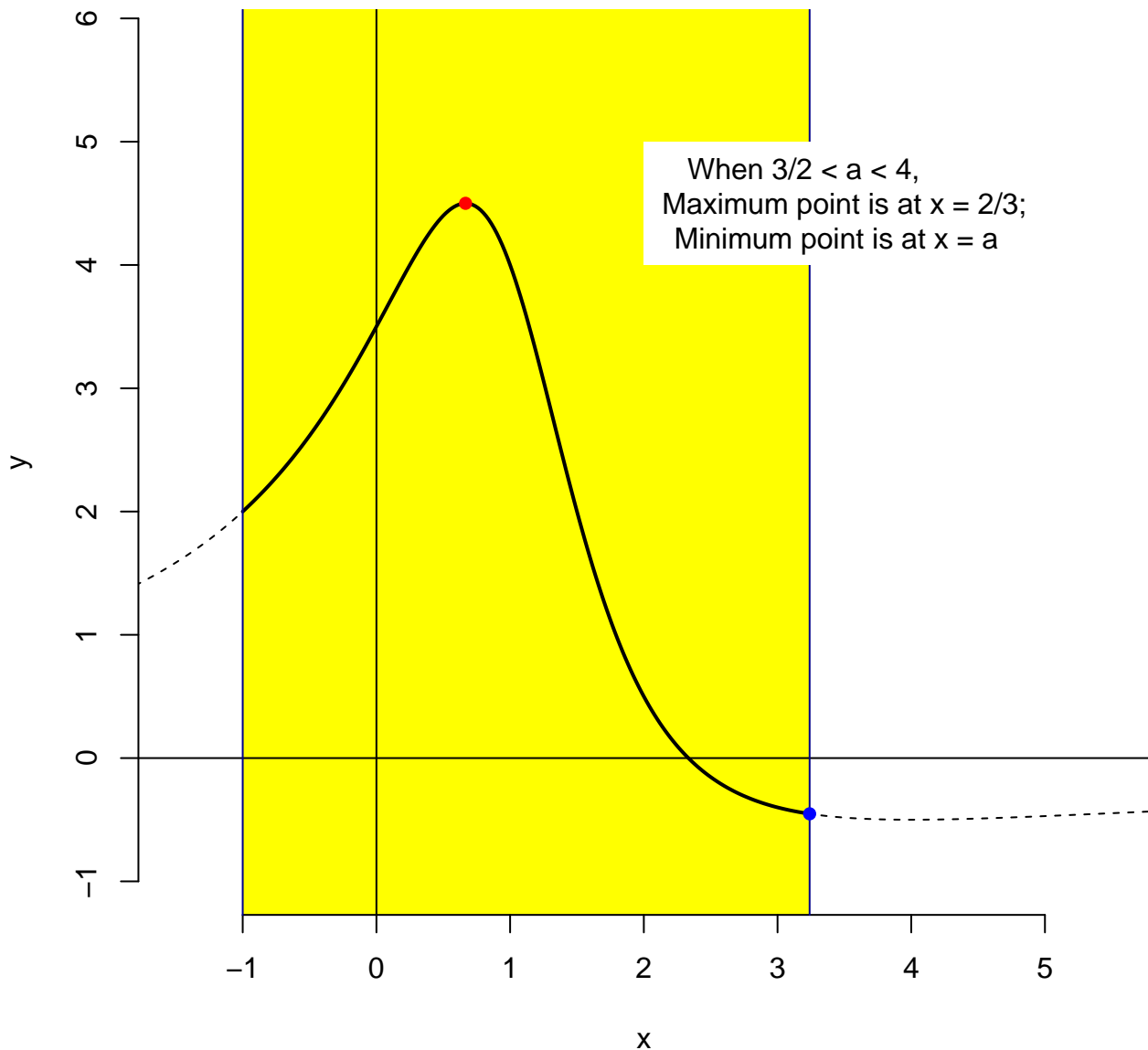
$a = 3.22$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



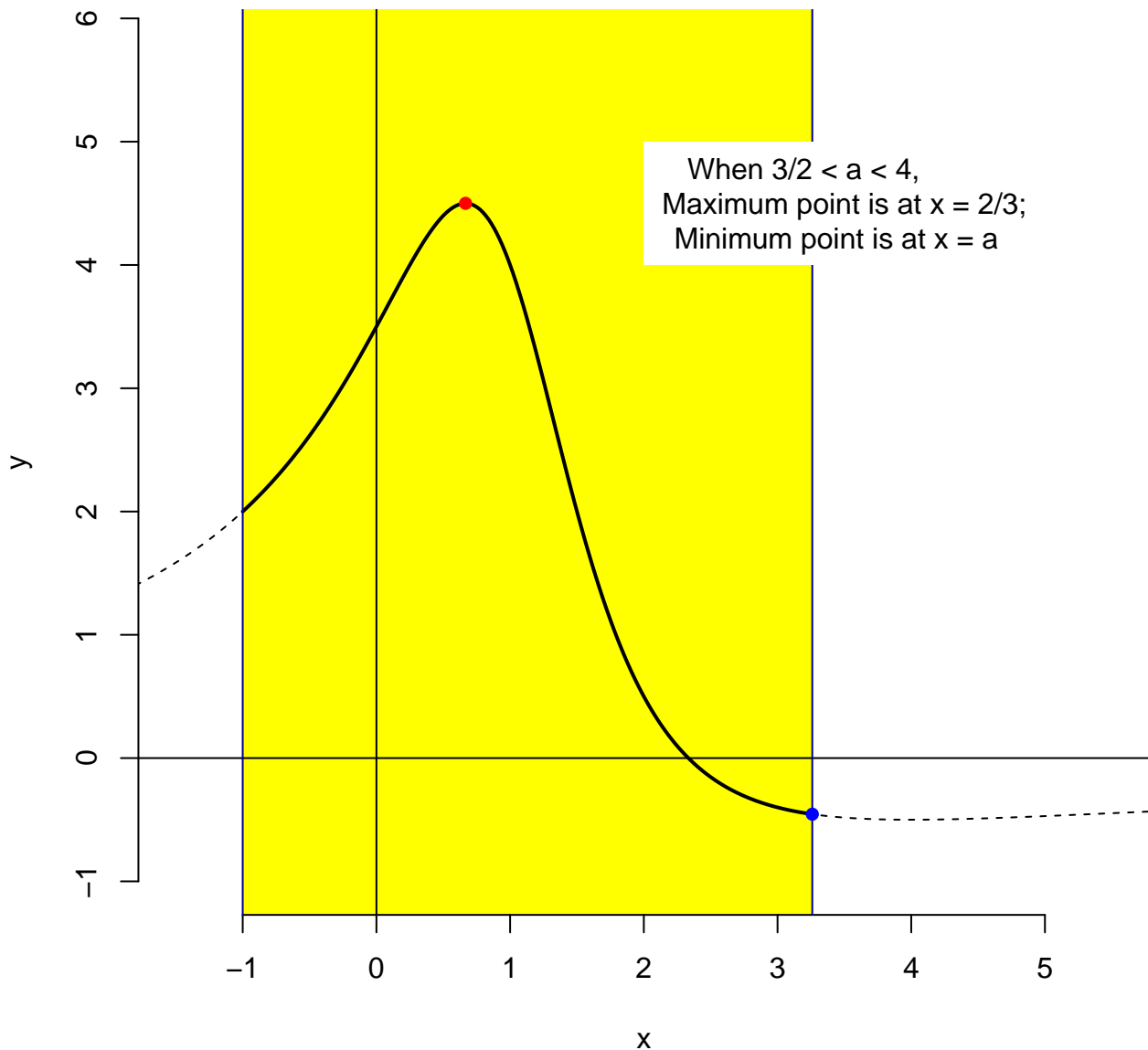
$a = 3.24$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



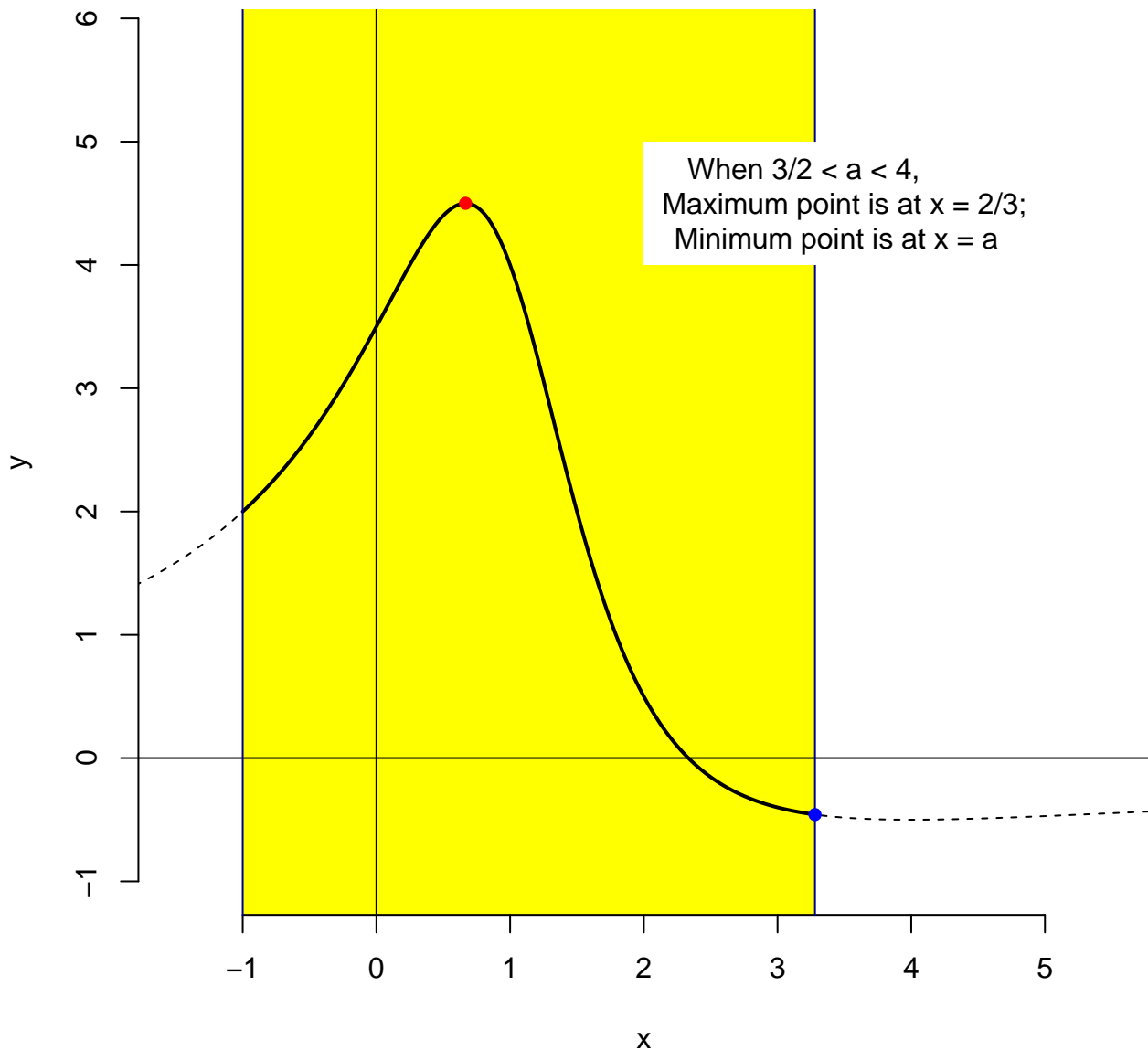
$a = 3.26$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



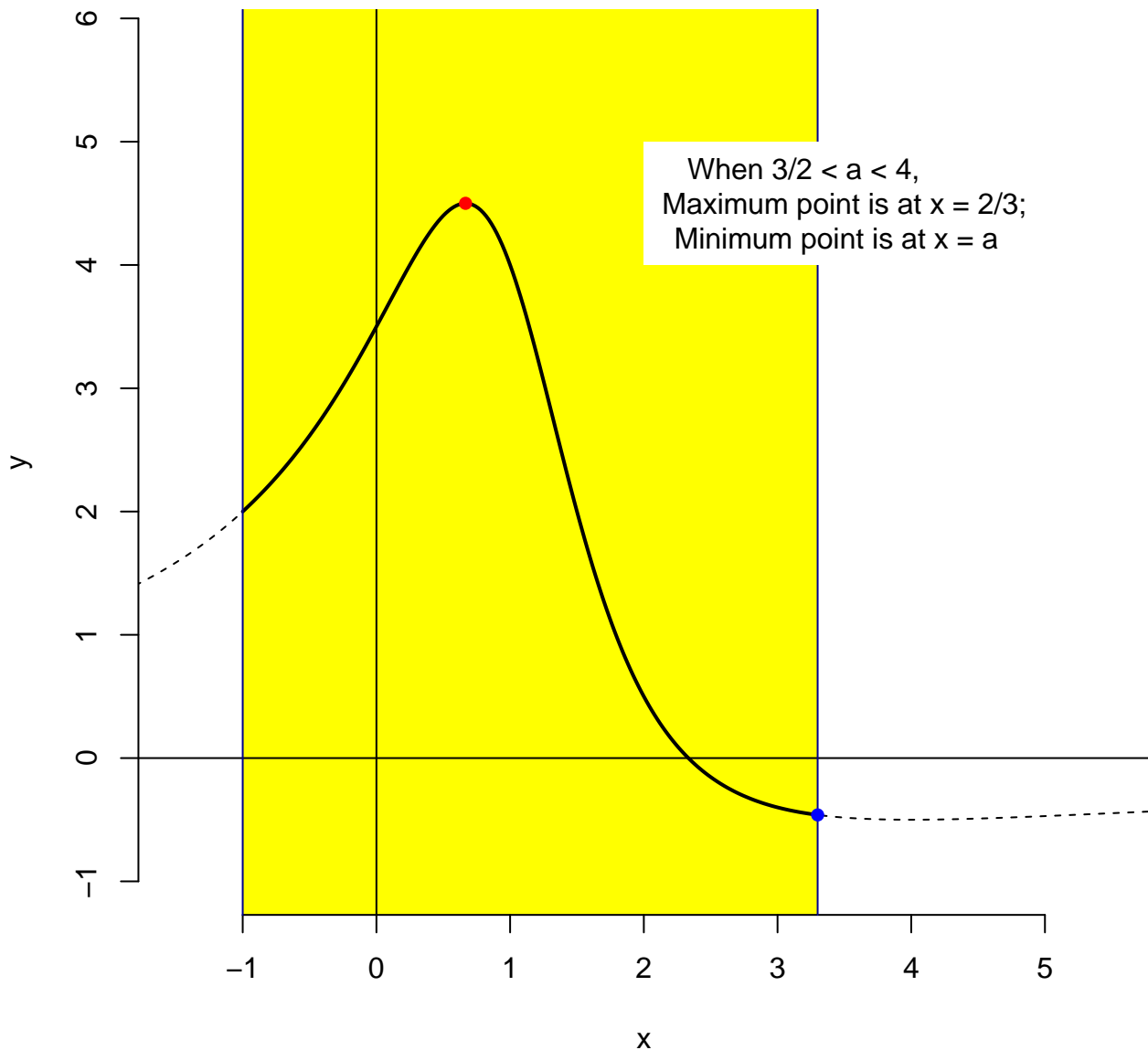
$$a = 3.28$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



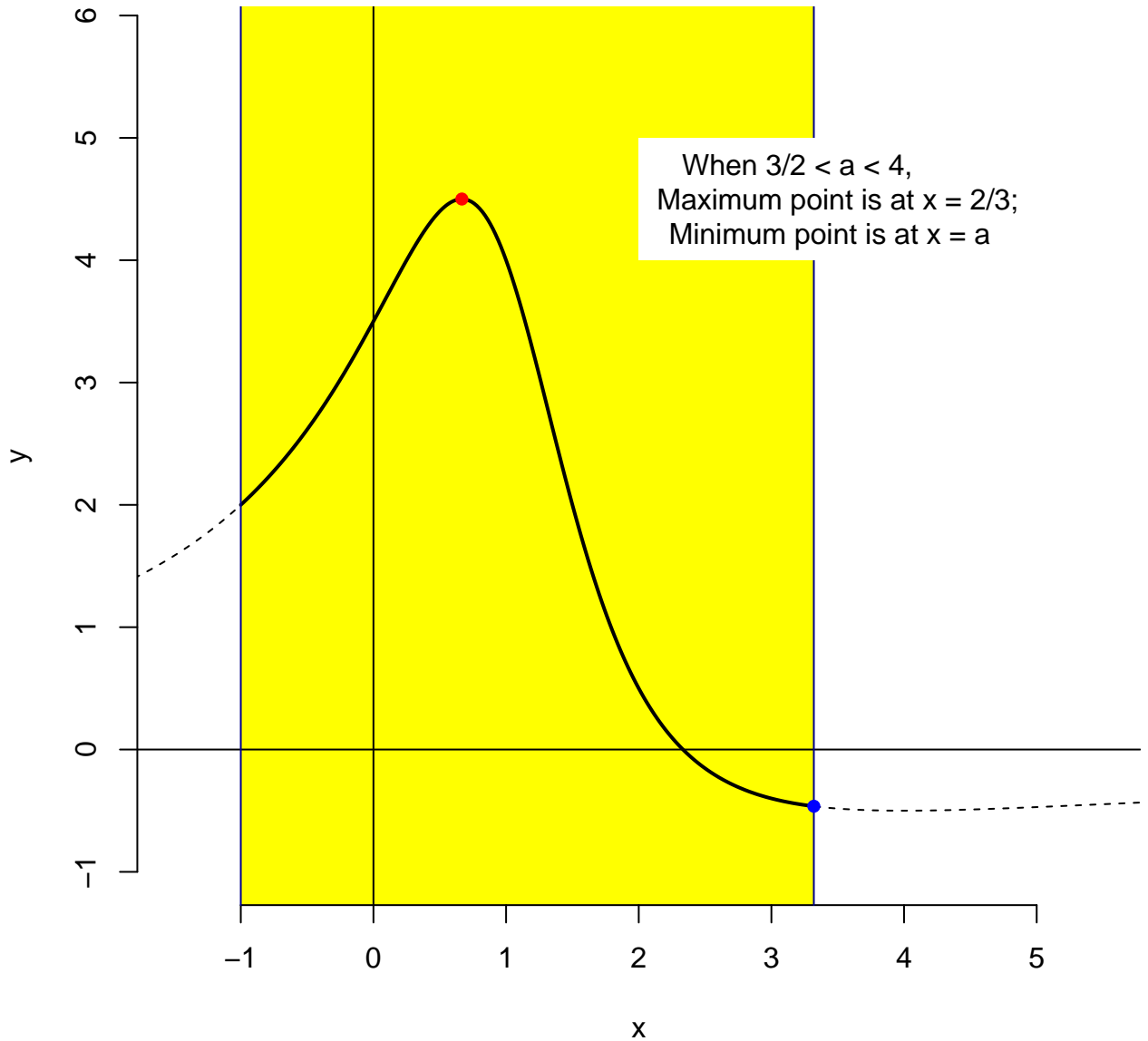
$a = 3.3$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



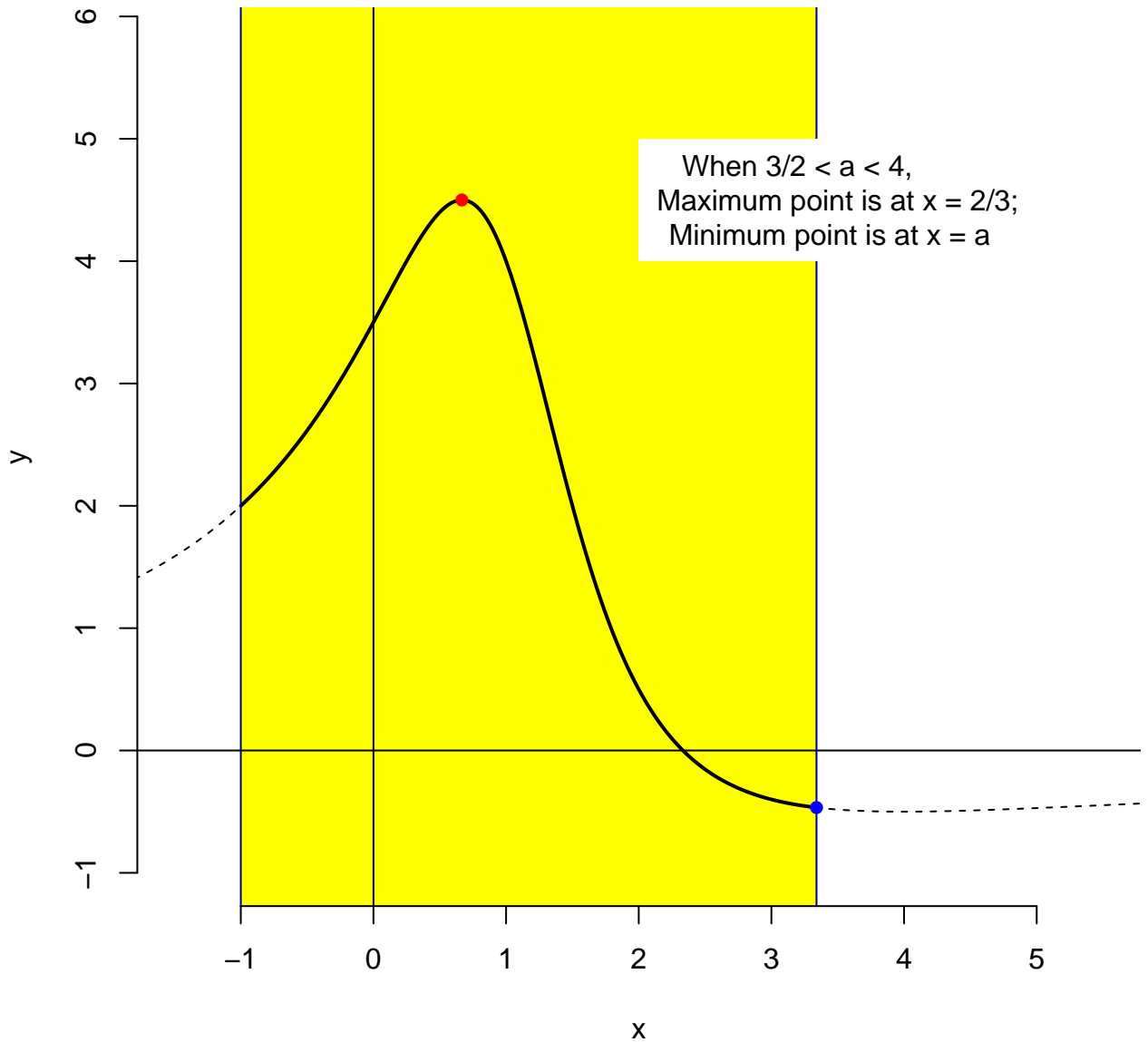
$$a = 3.32$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



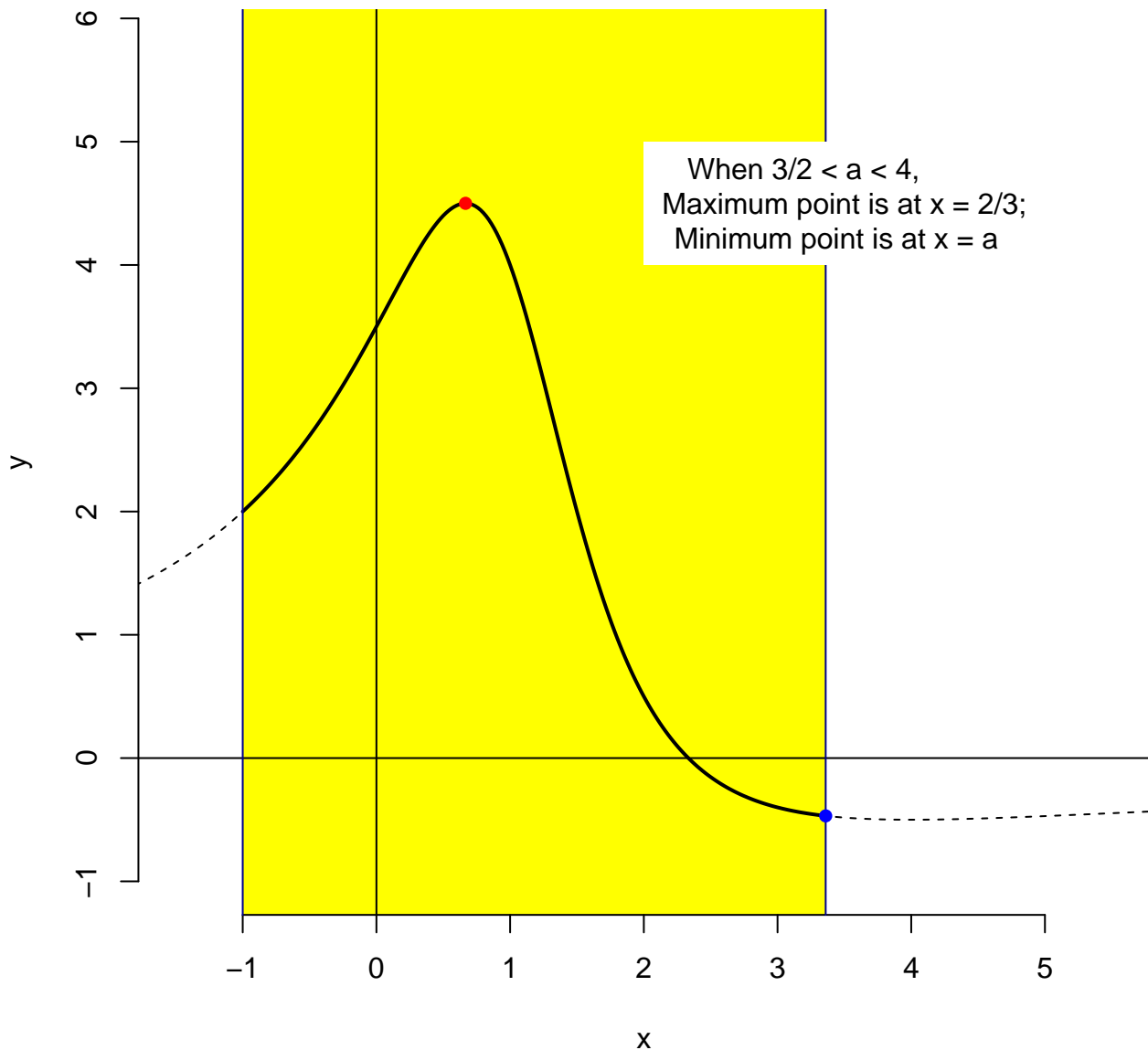
$a = 3.34$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



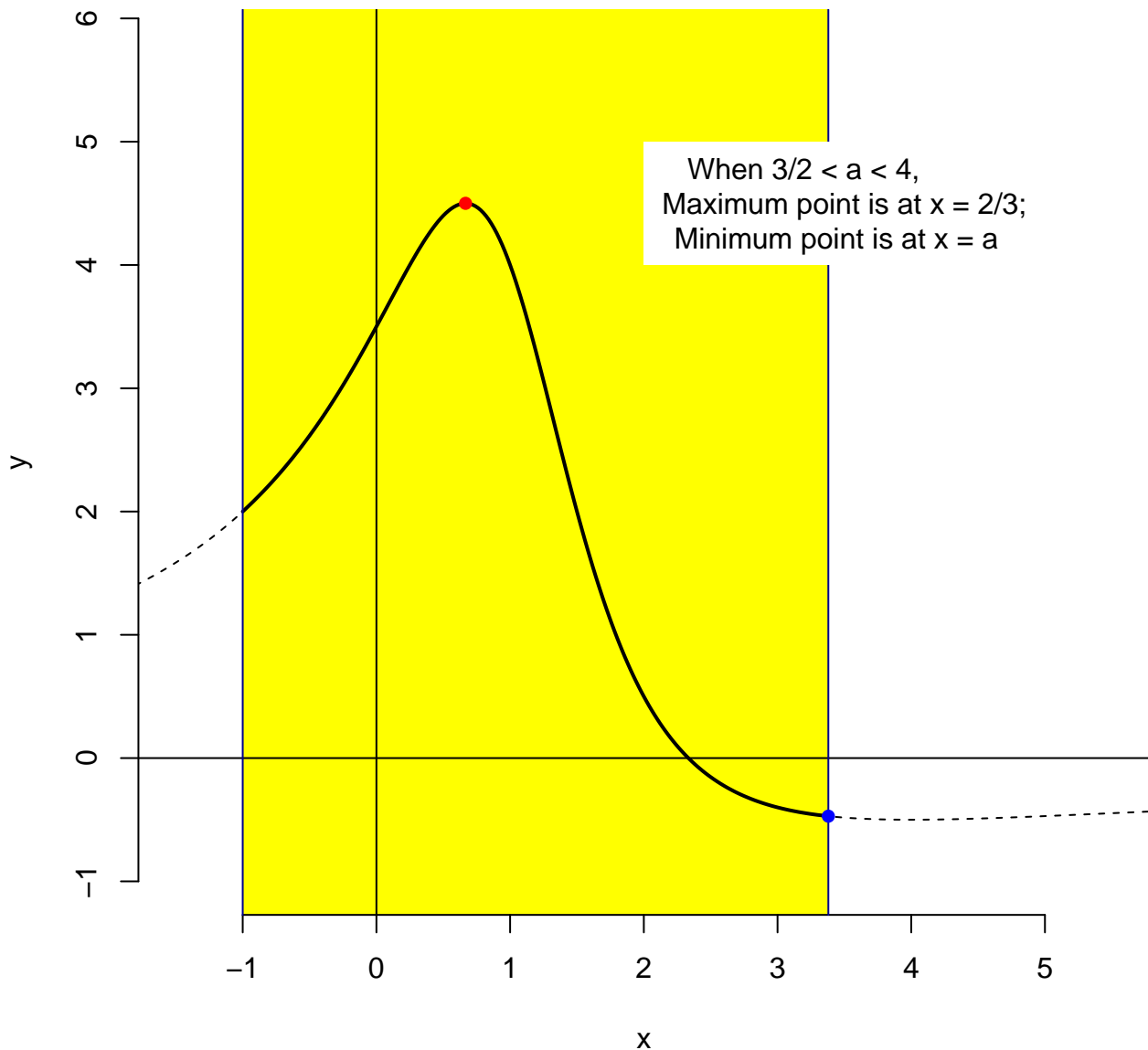
$a = 3.36$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



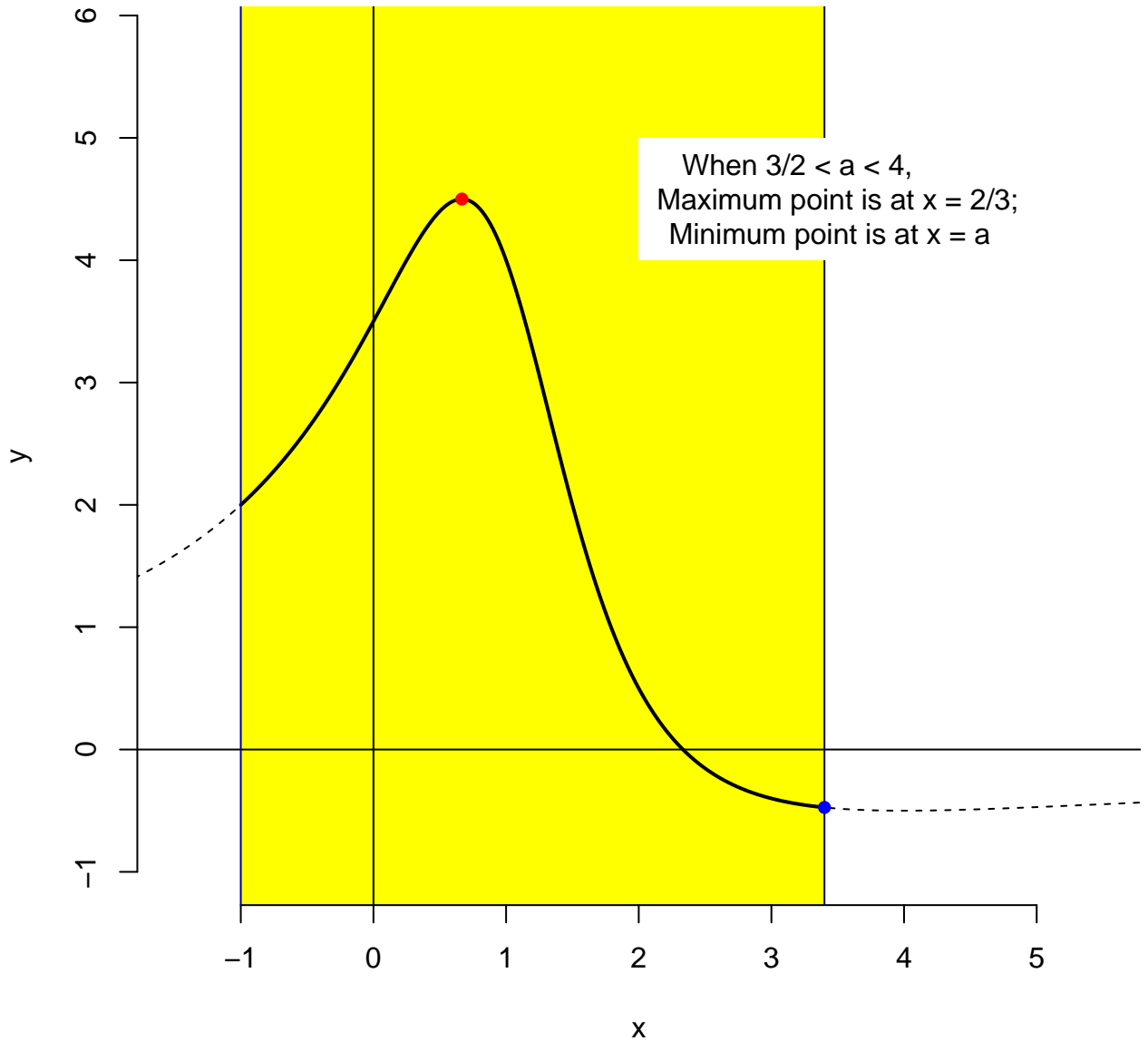
$$a = 3.38$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



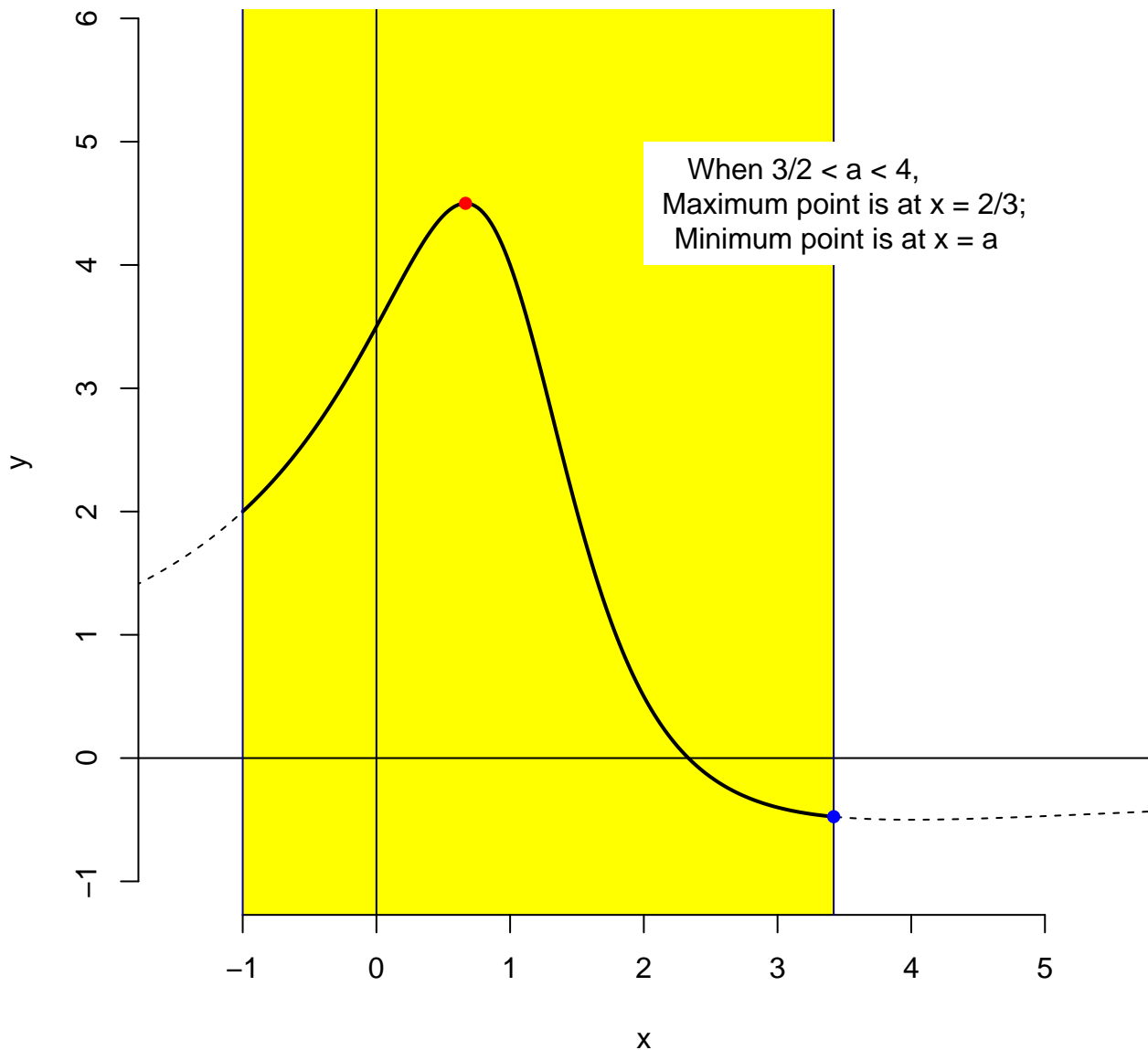
$$a = 3.4$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$

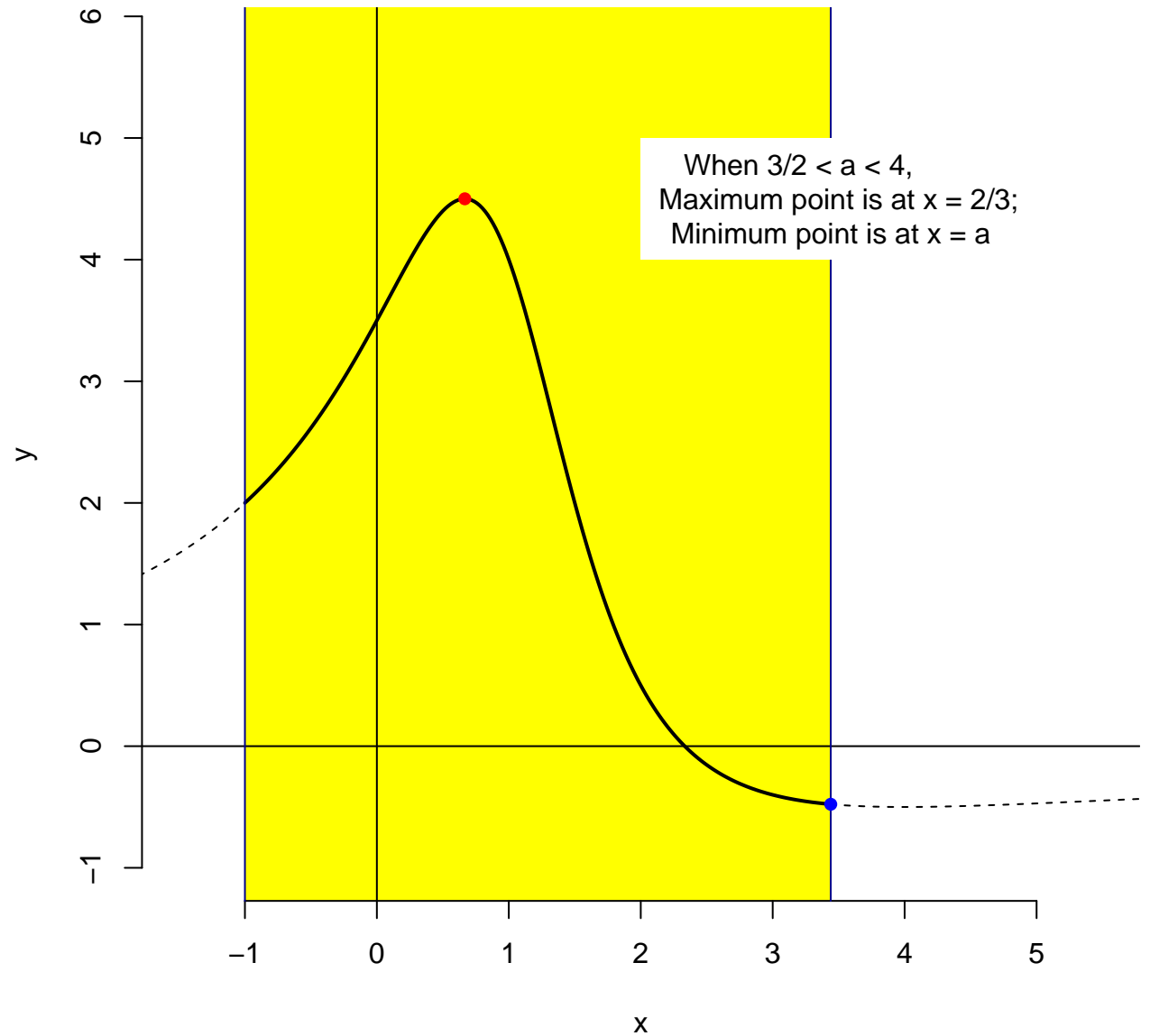


$a = 3.42$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$

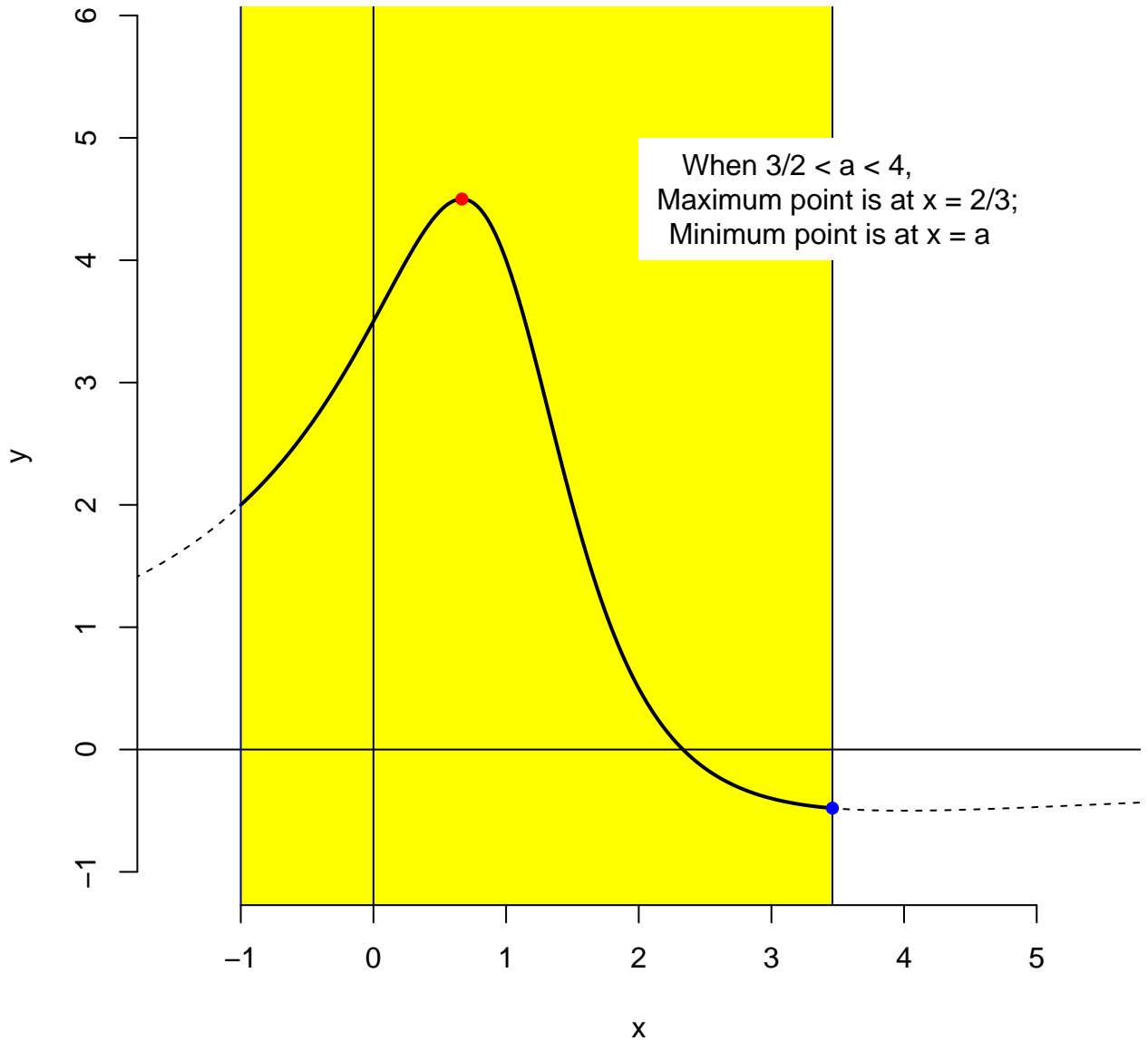


$a = 3.44$



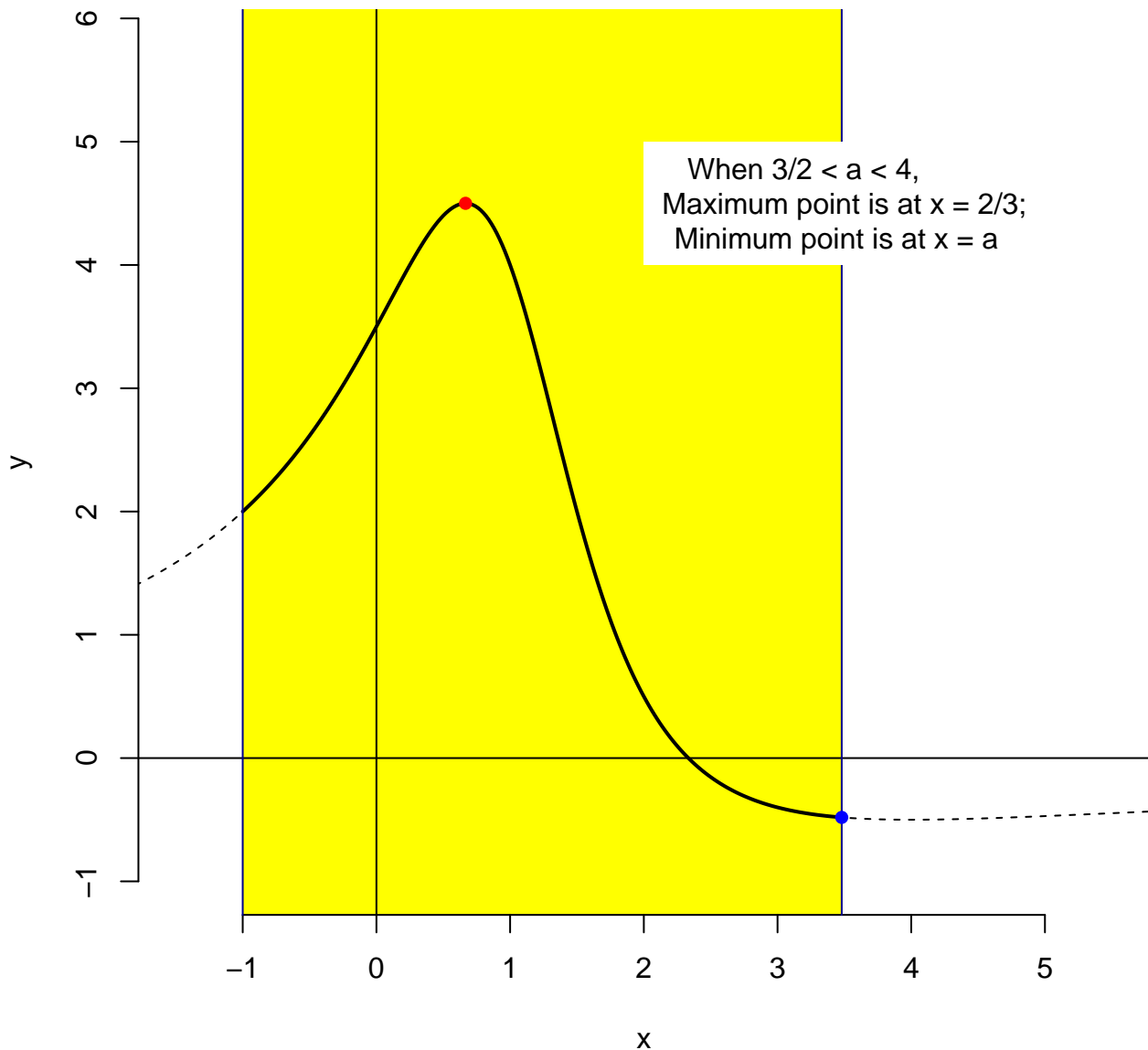
$$a = 3.46$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$

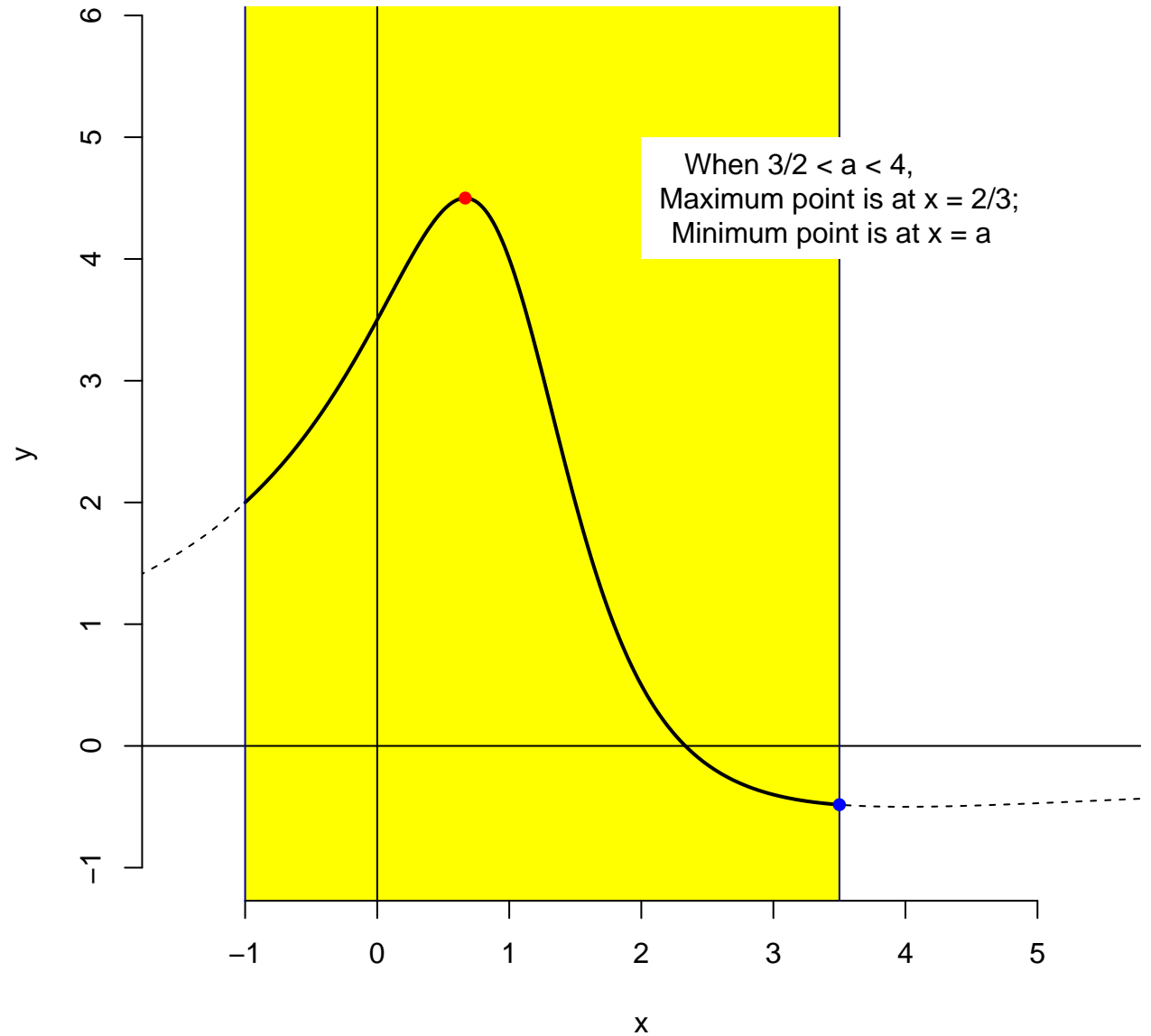


$a = 3.48$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$

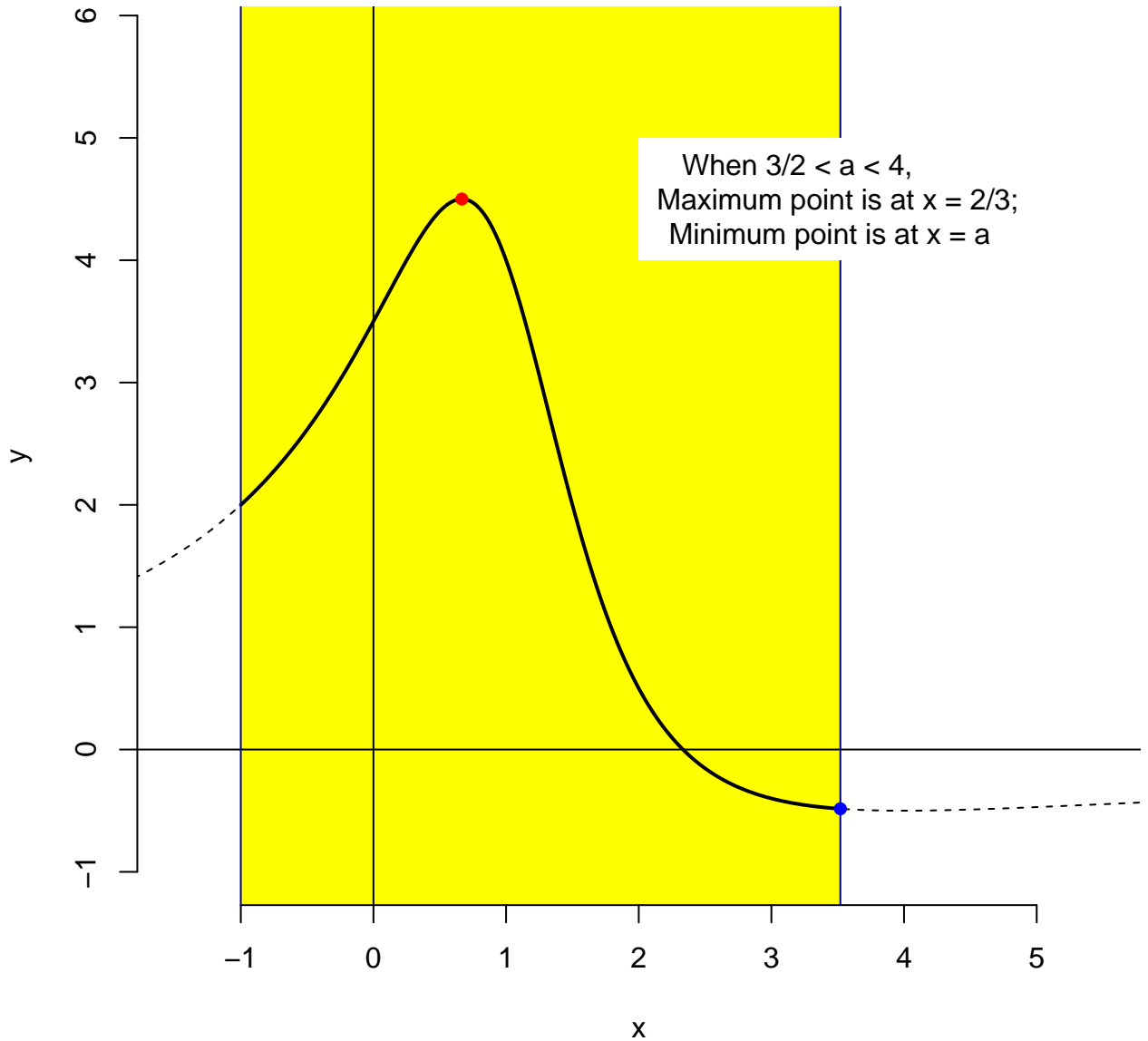


$a = 3.5$



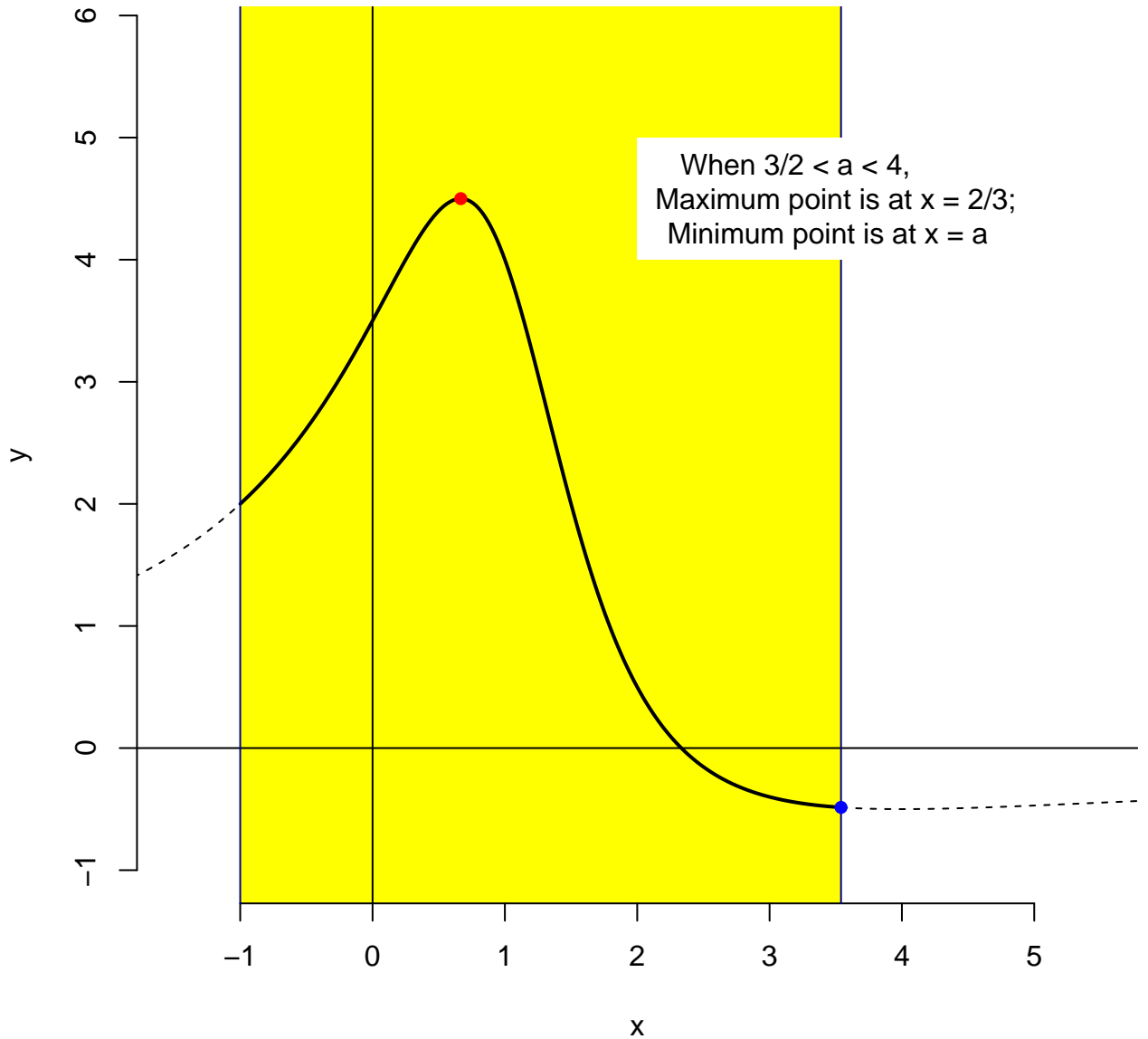
$$a = 3.52$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



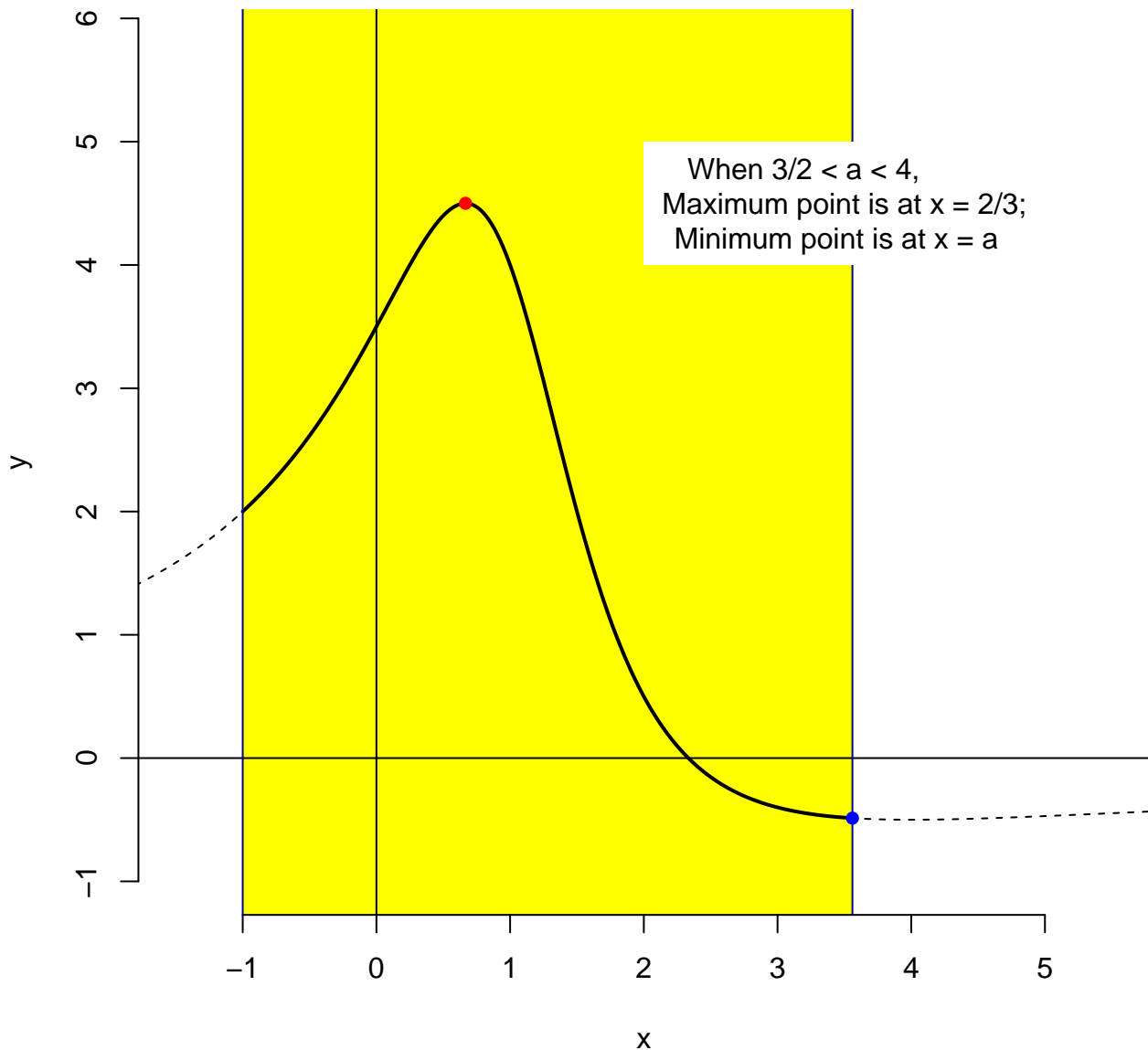
$$a = 3.54$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



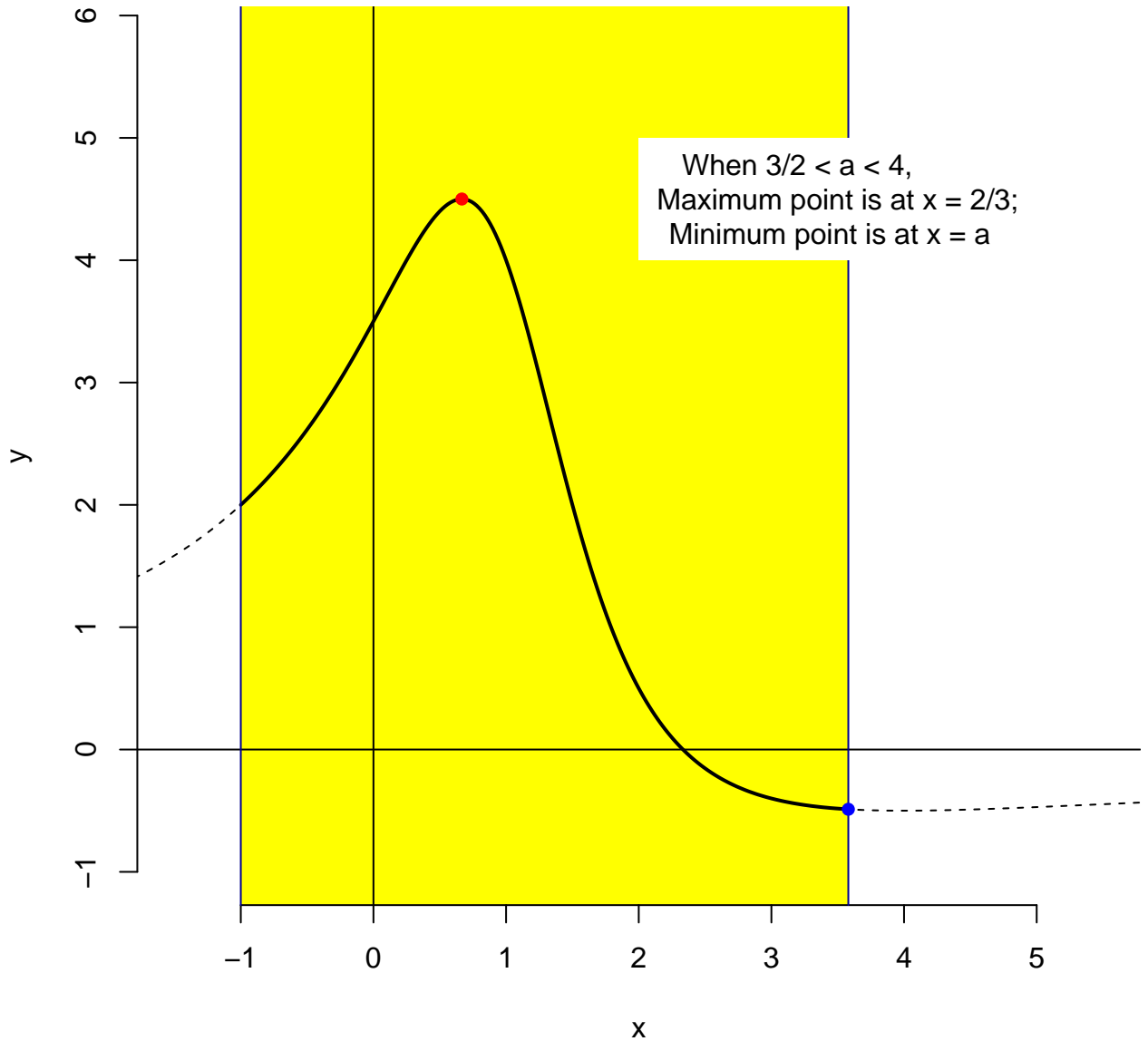
$a = 3.56$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



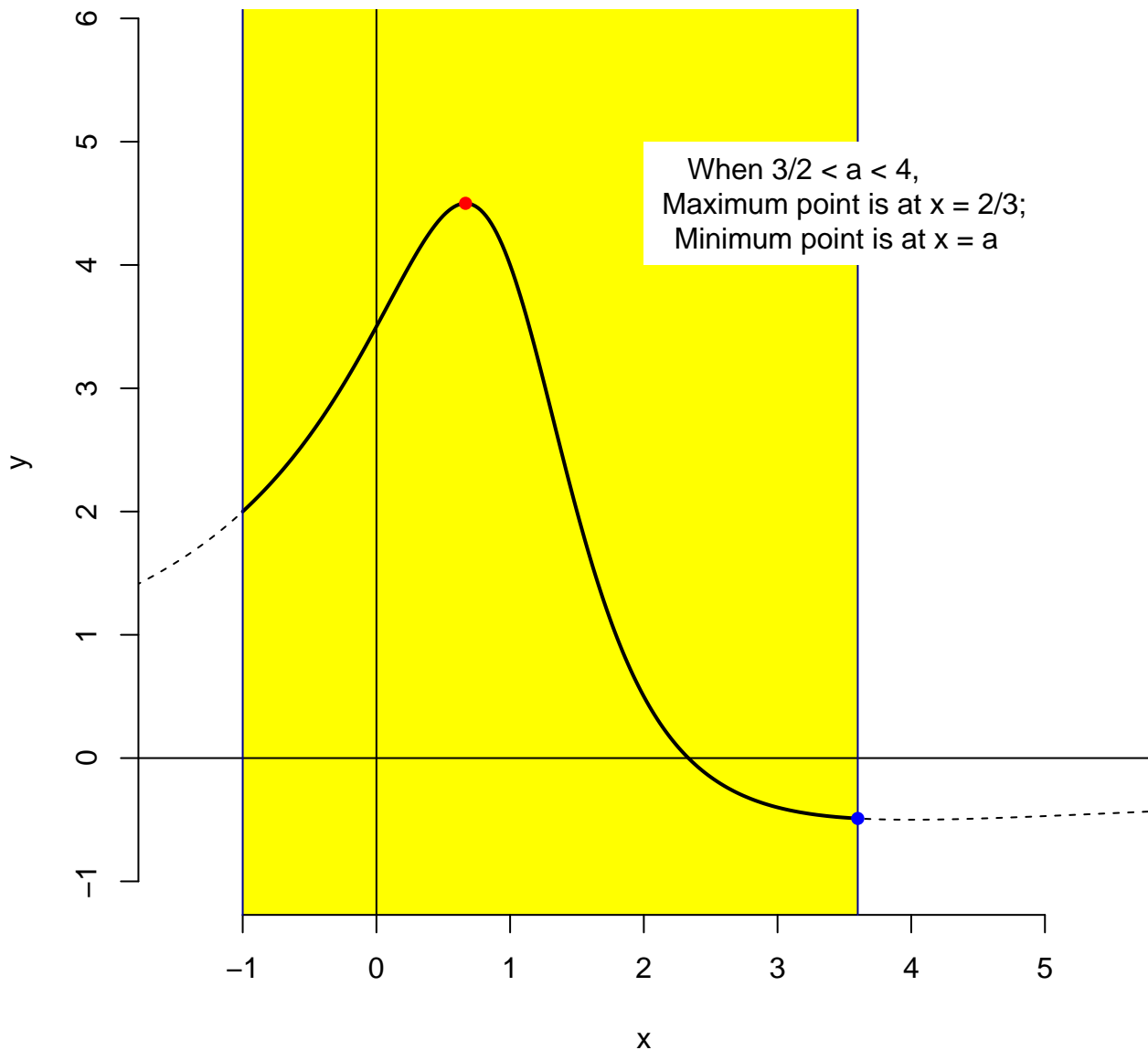
$$a = 3.58$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



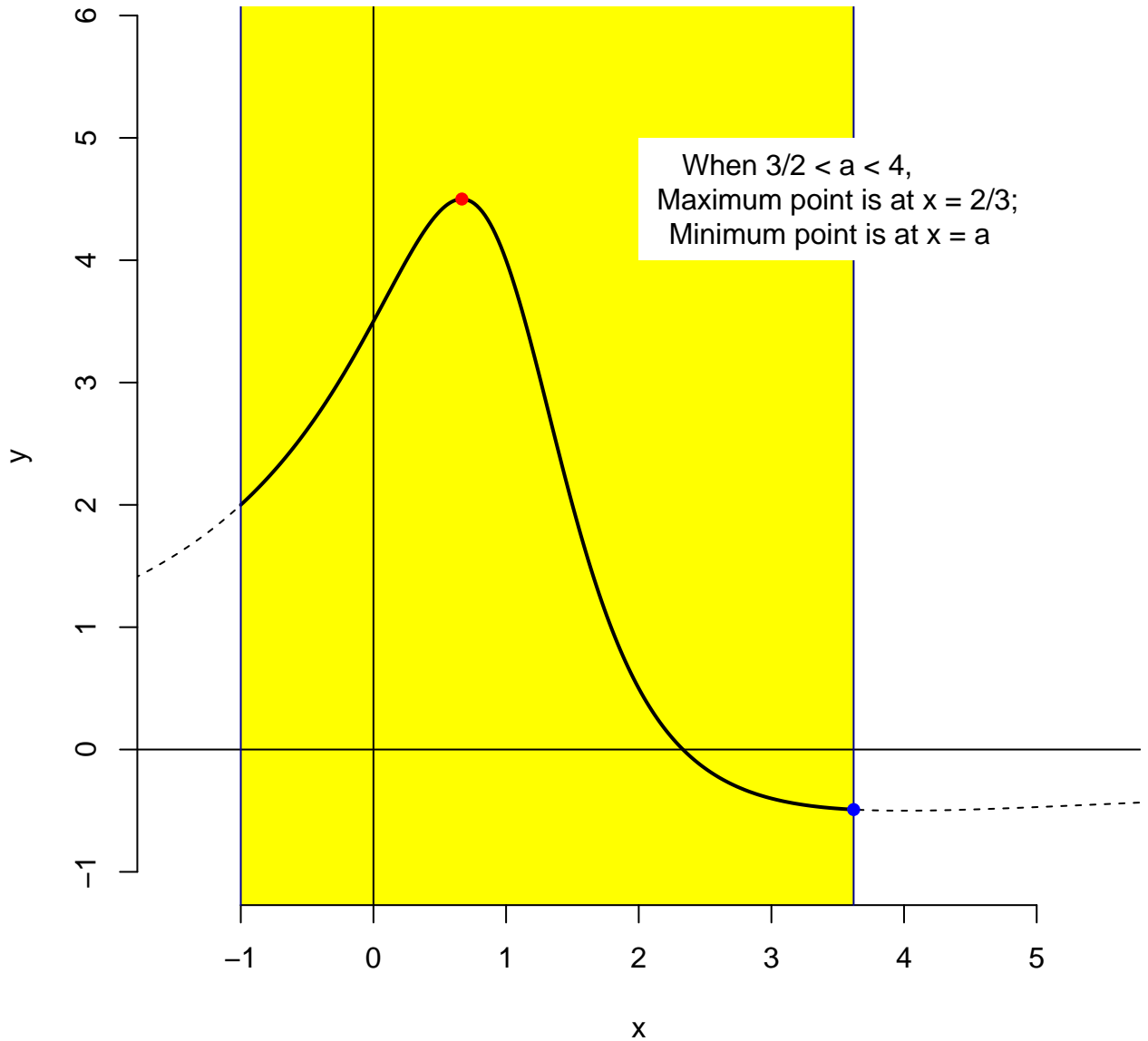
$a = 3.6$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



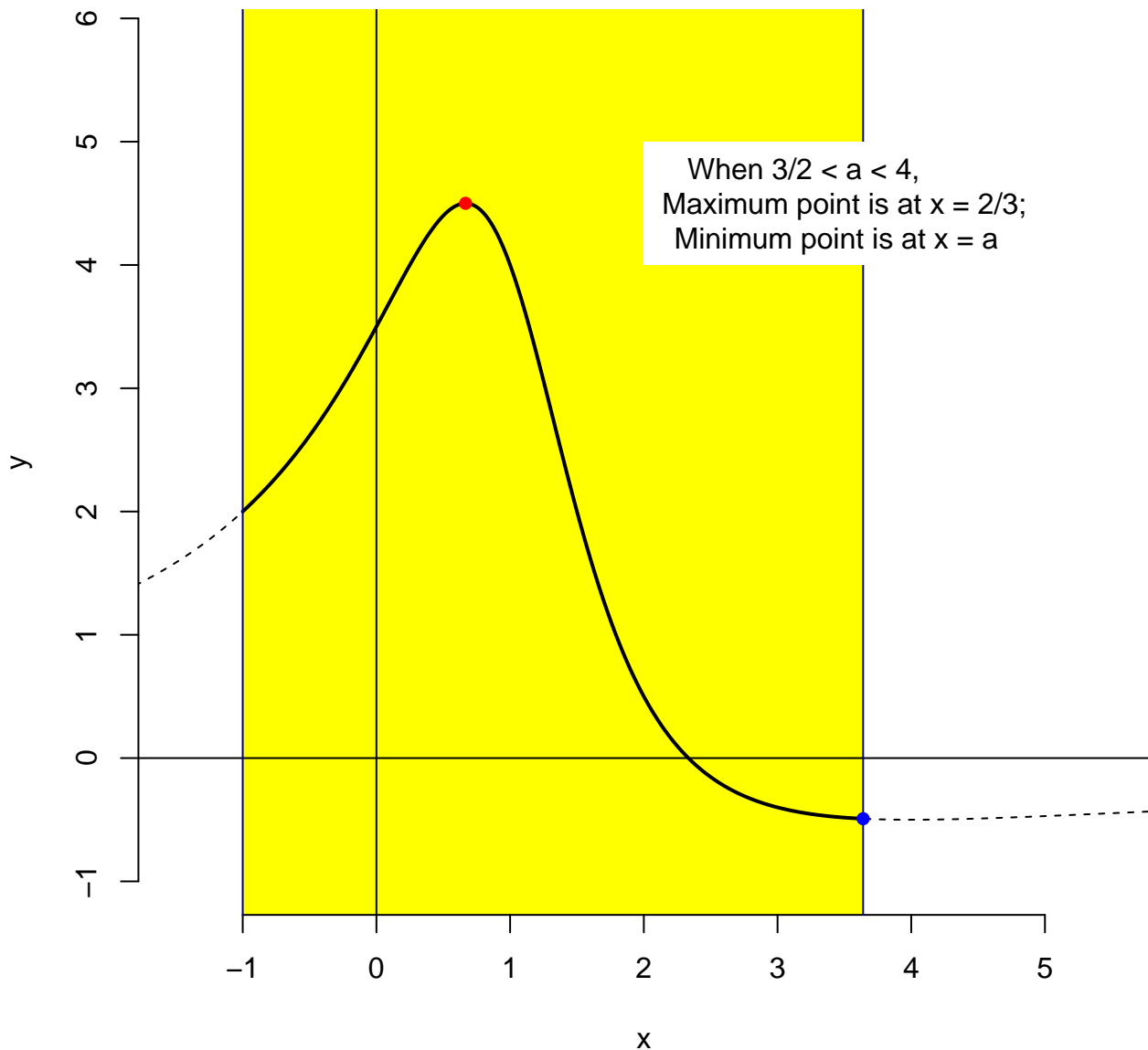
$$a = 3.62$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



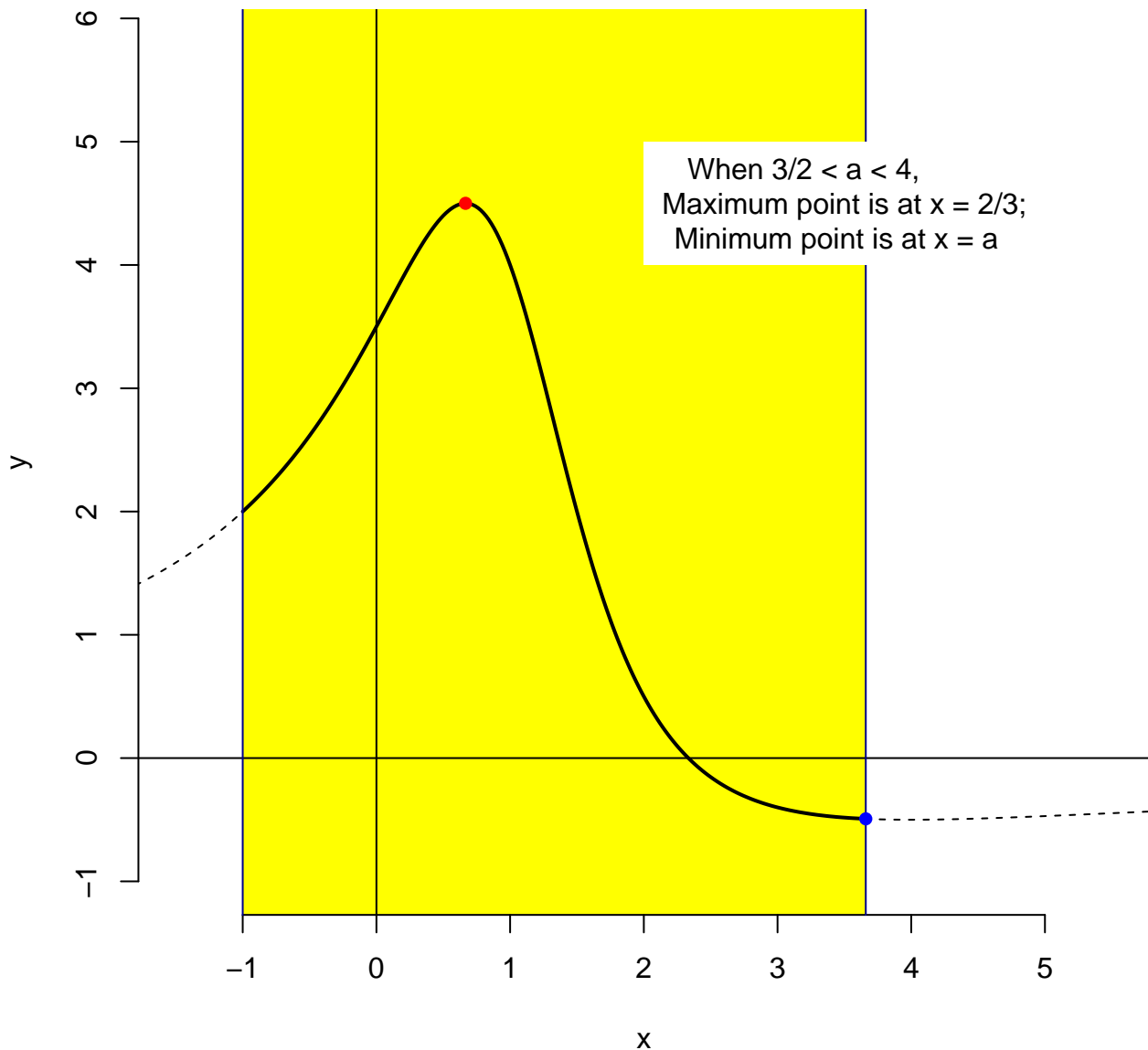
$$a = 3.64$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



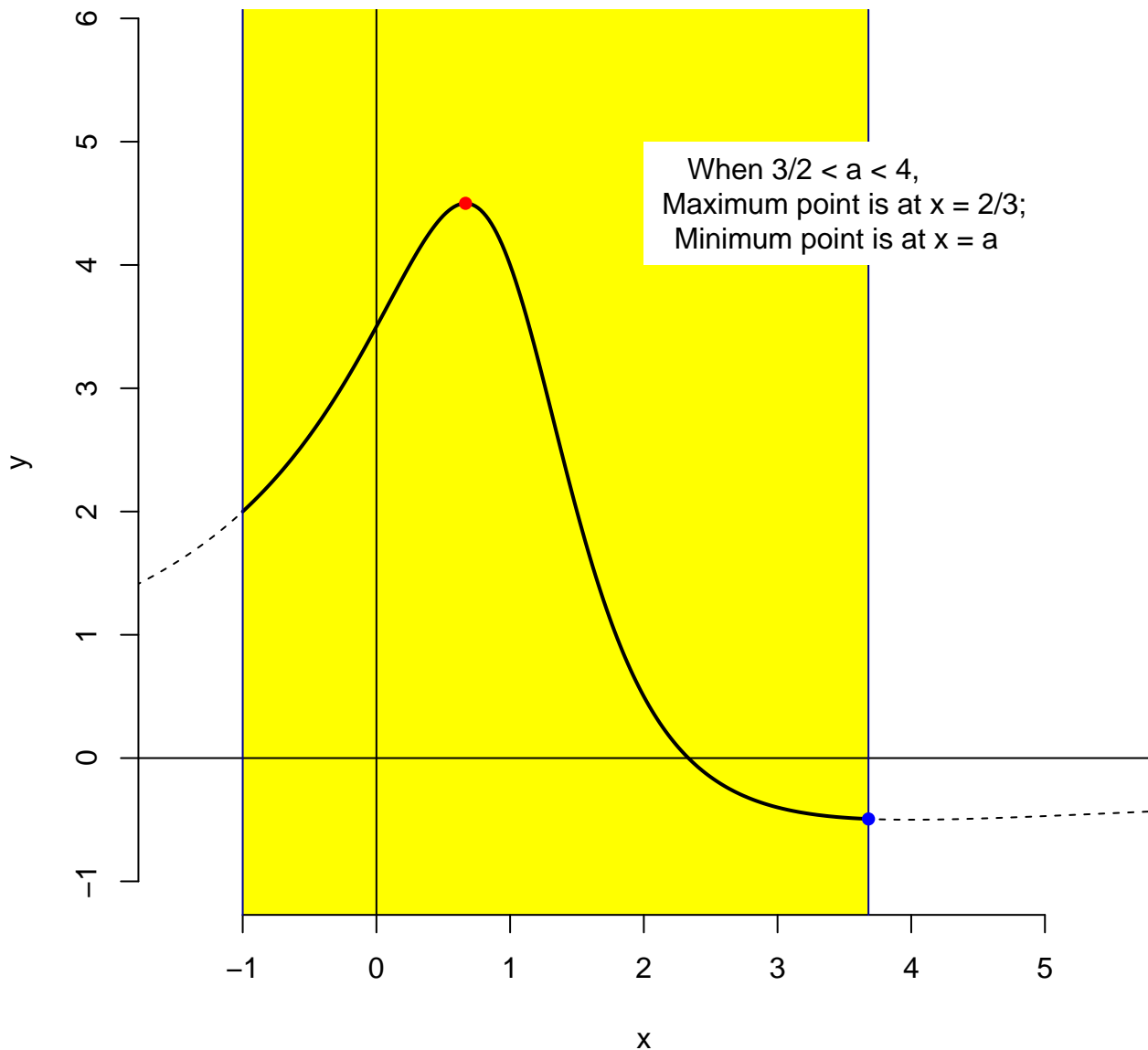
$a = 3.66$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



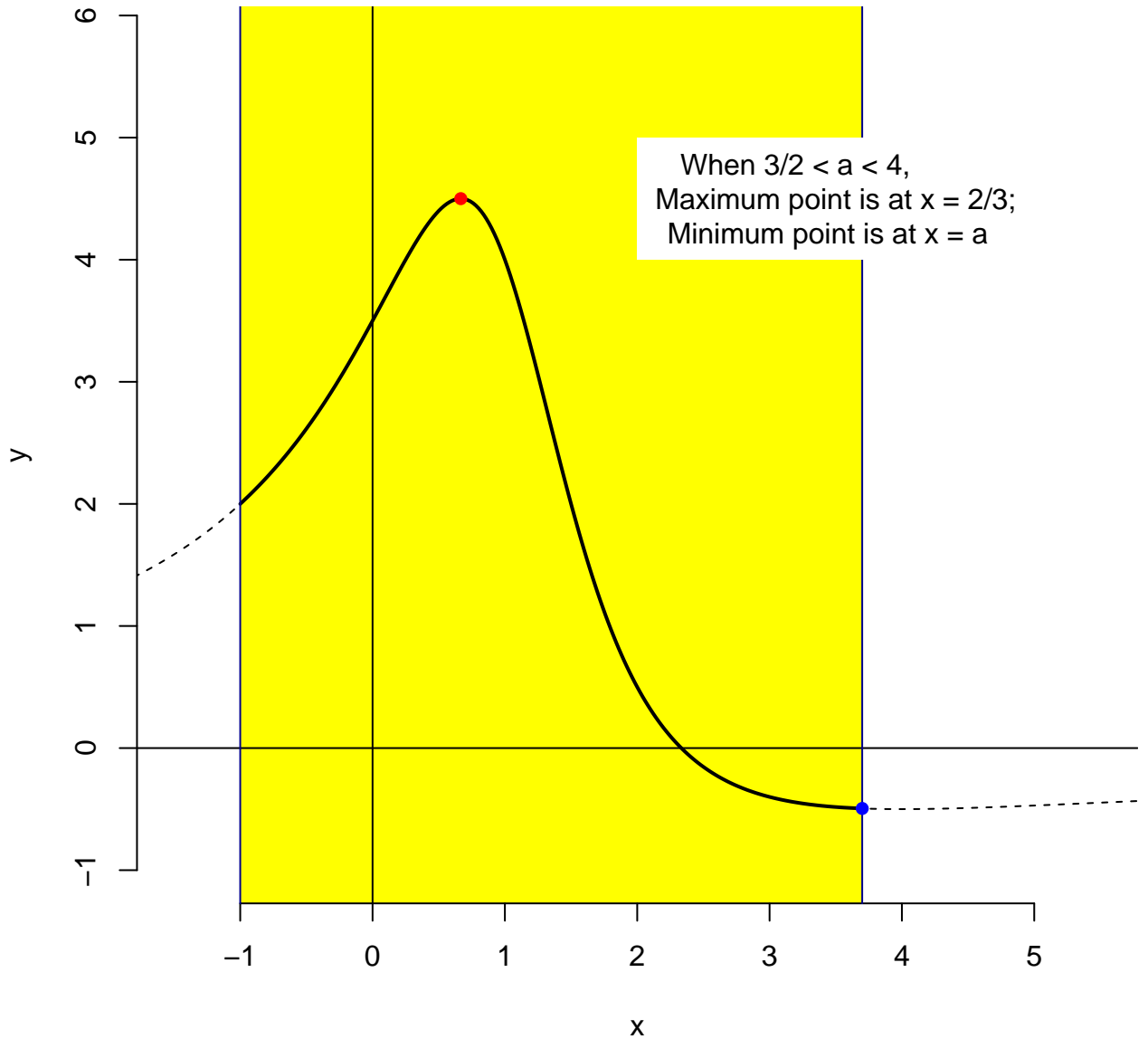
$$a = 3.68$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



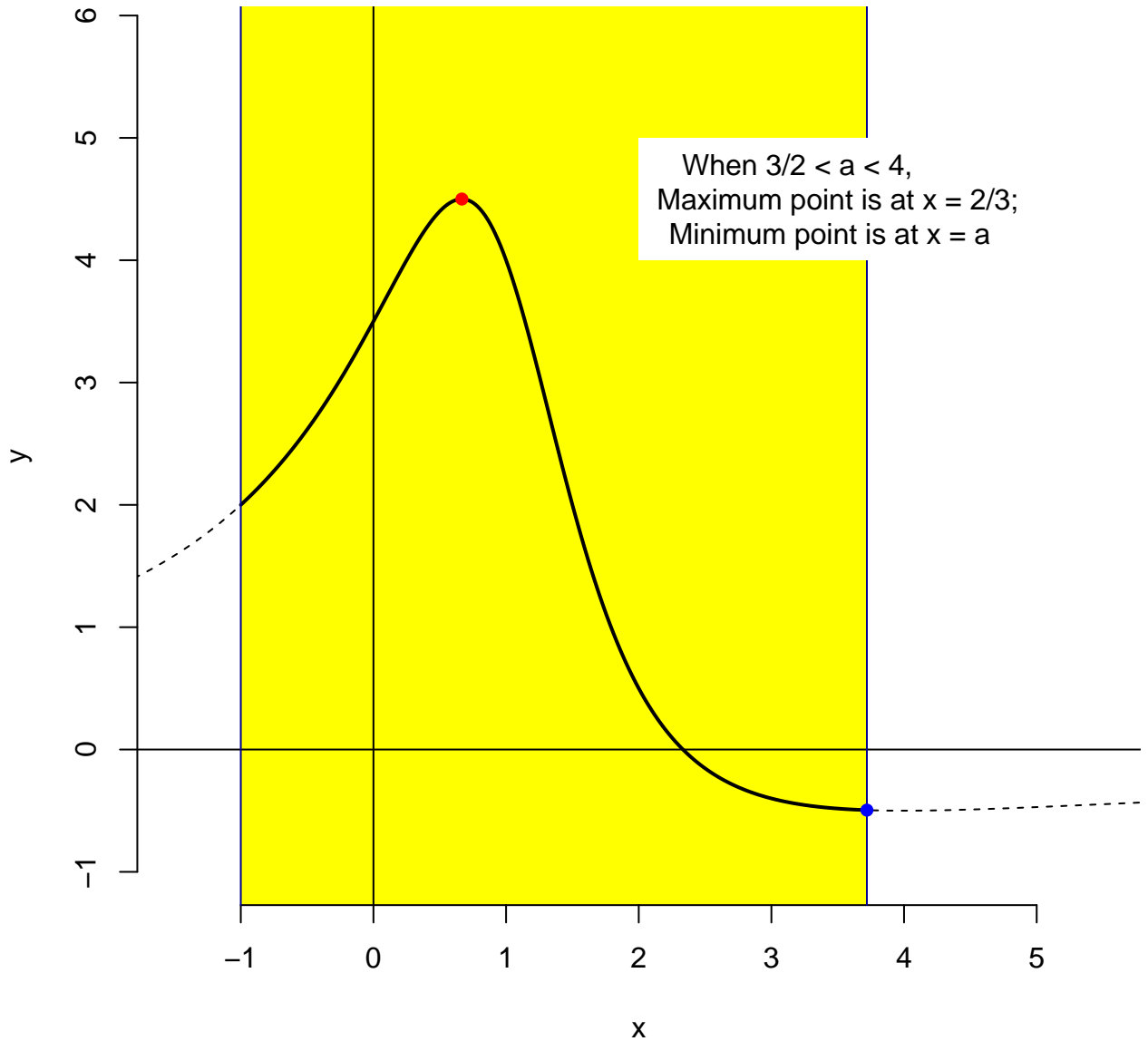
$a = 3.7$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



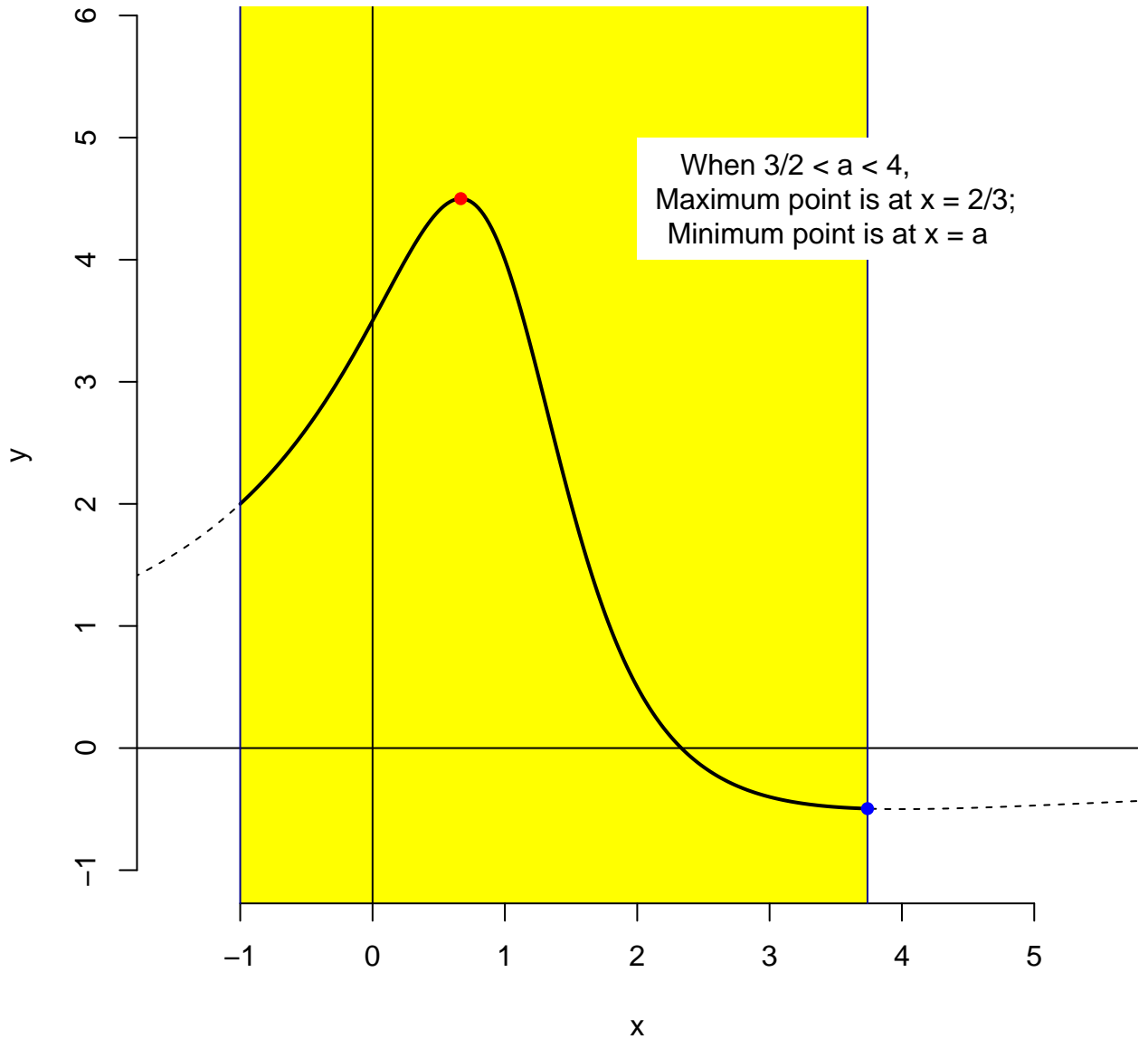
$$a = 3.72$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



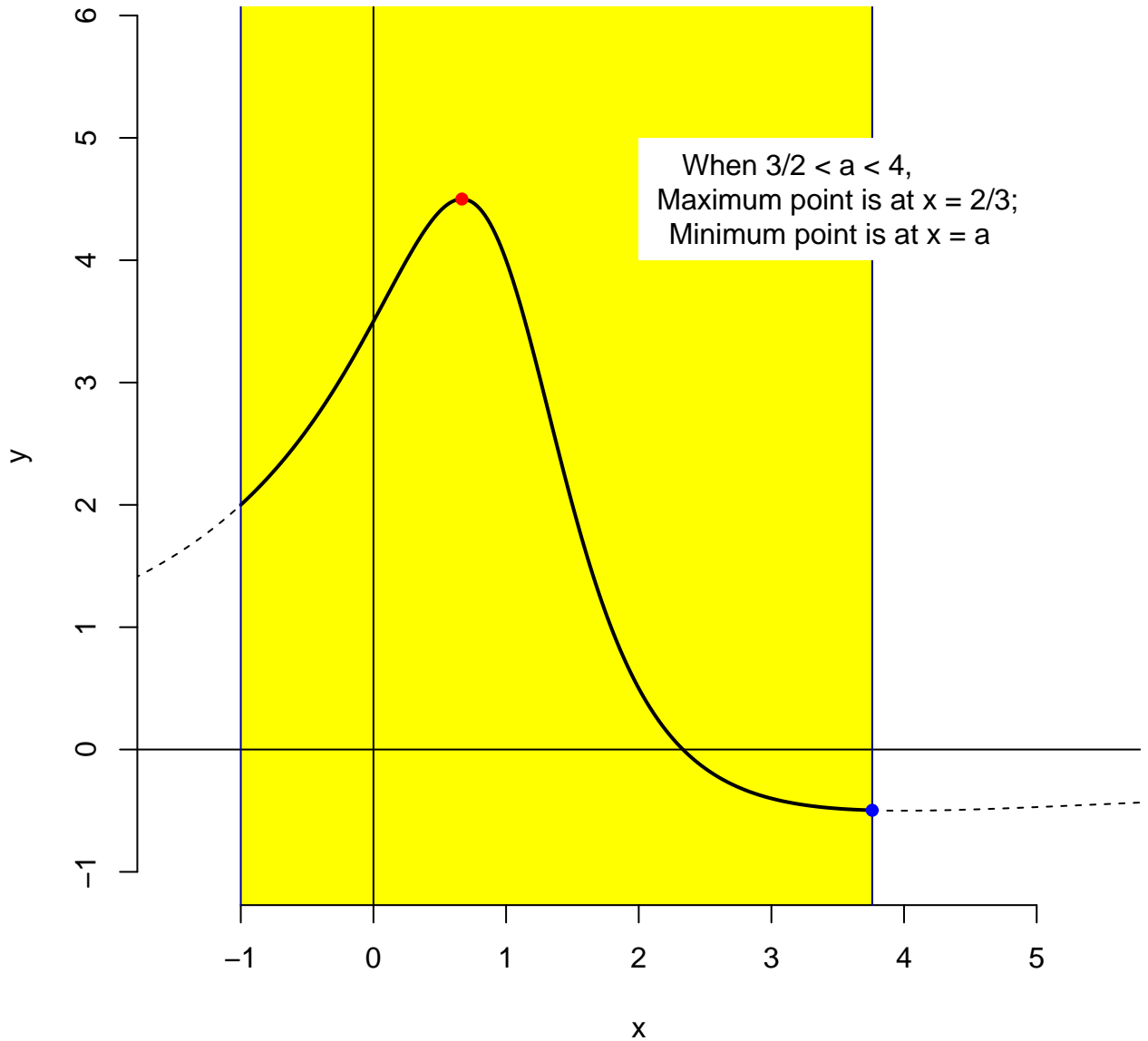
$$a = 3.74$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



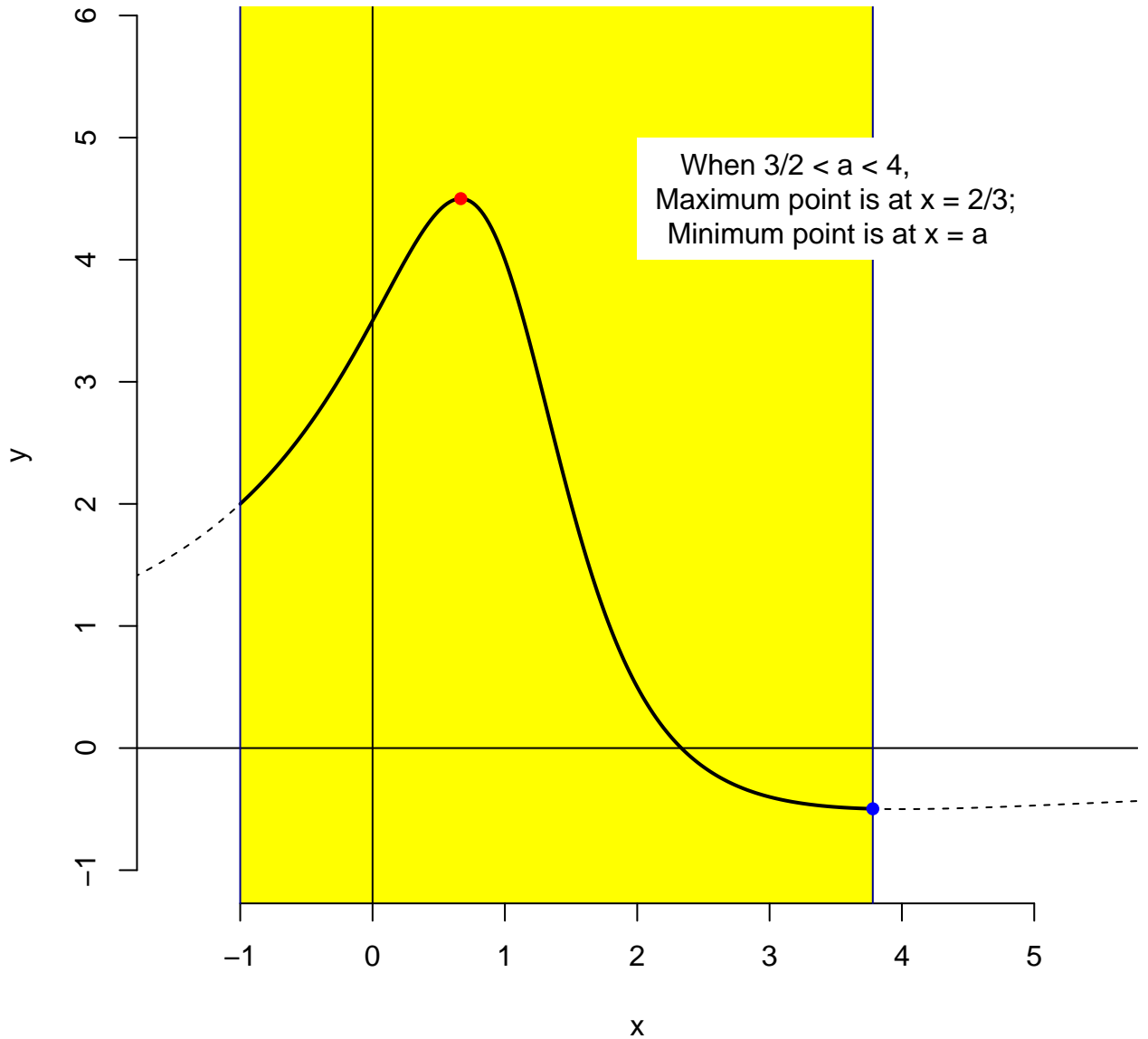
$$a = 3.76$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



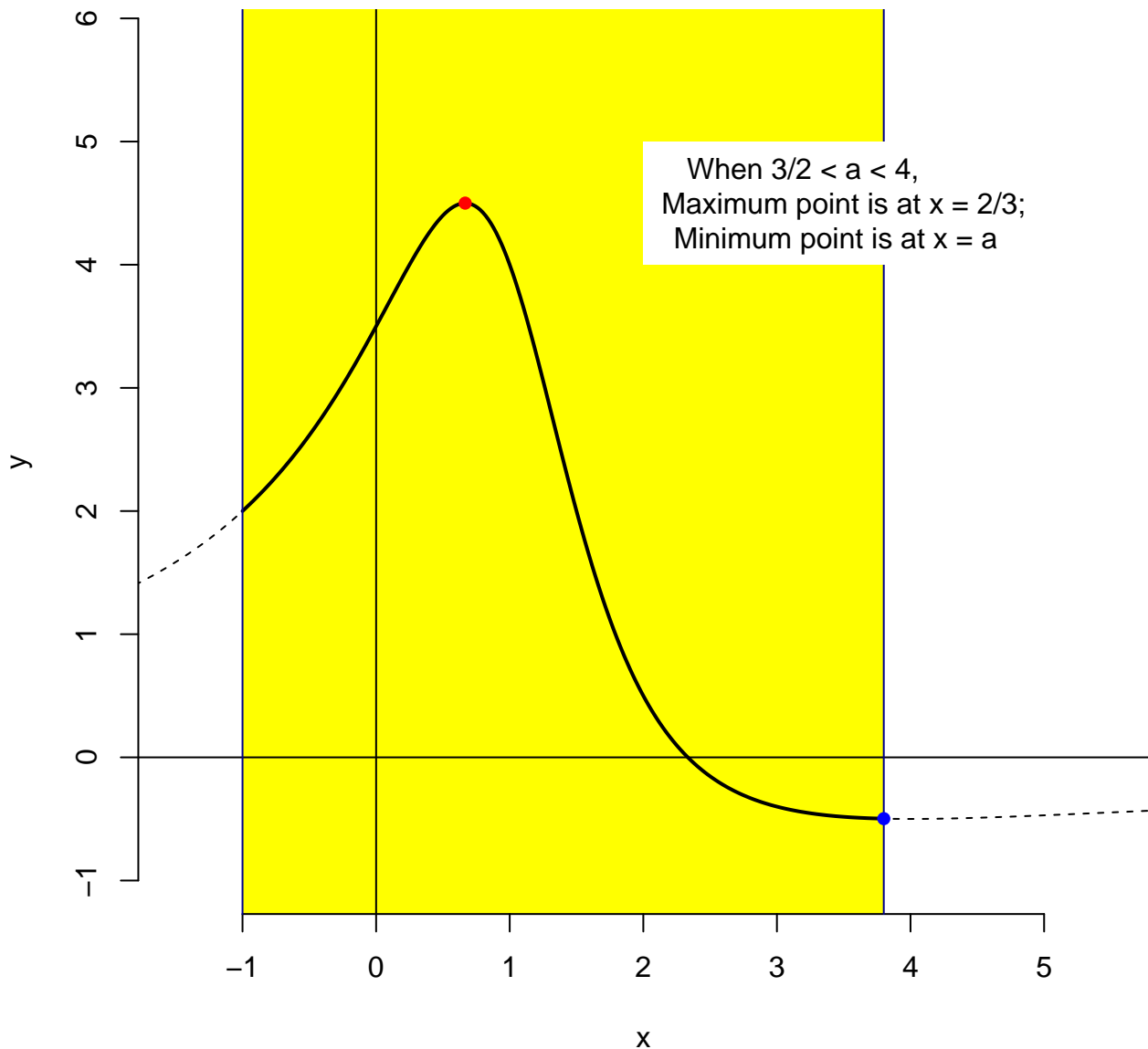
$$a = 3.78$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



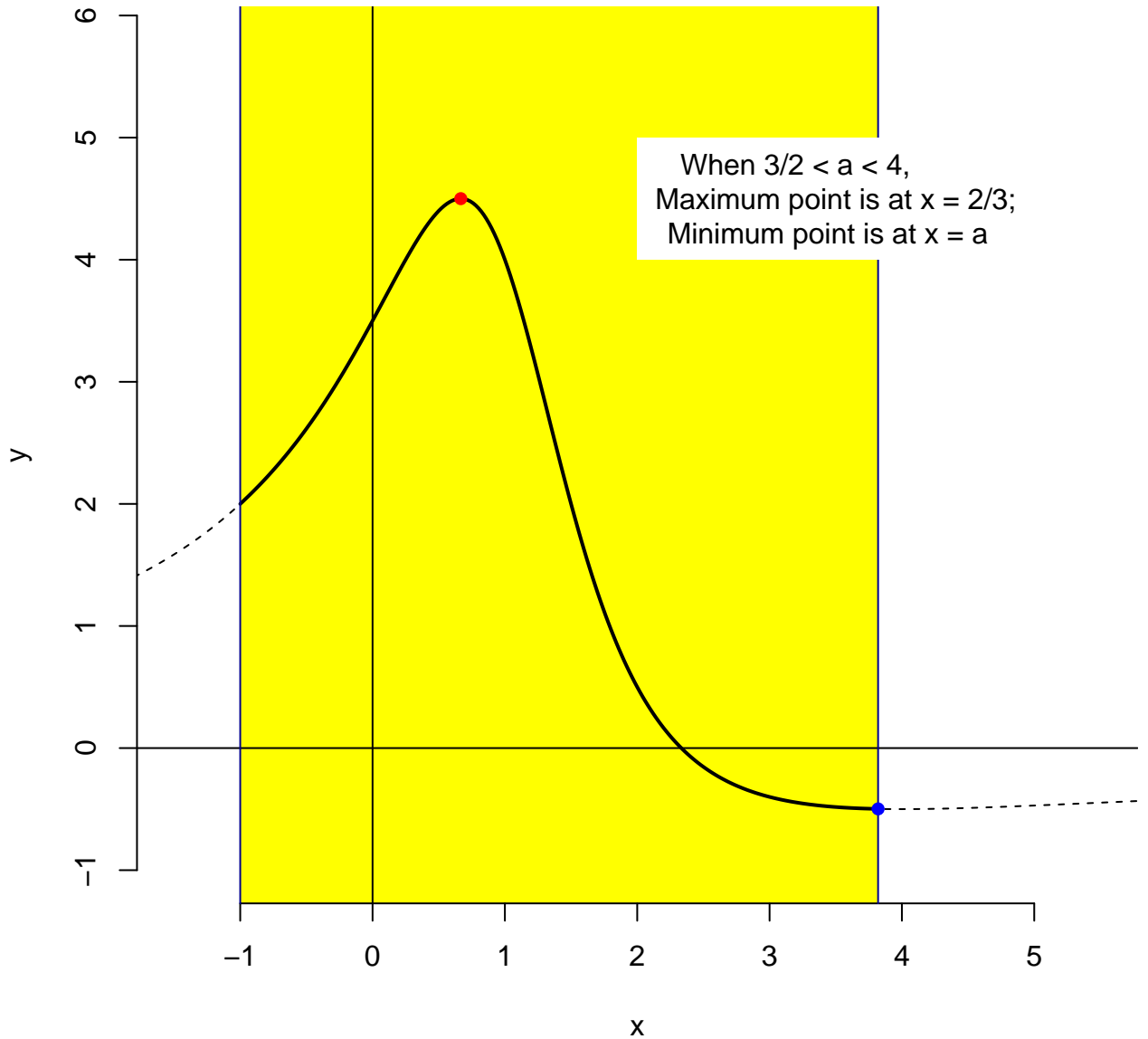
$a = 3.8$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



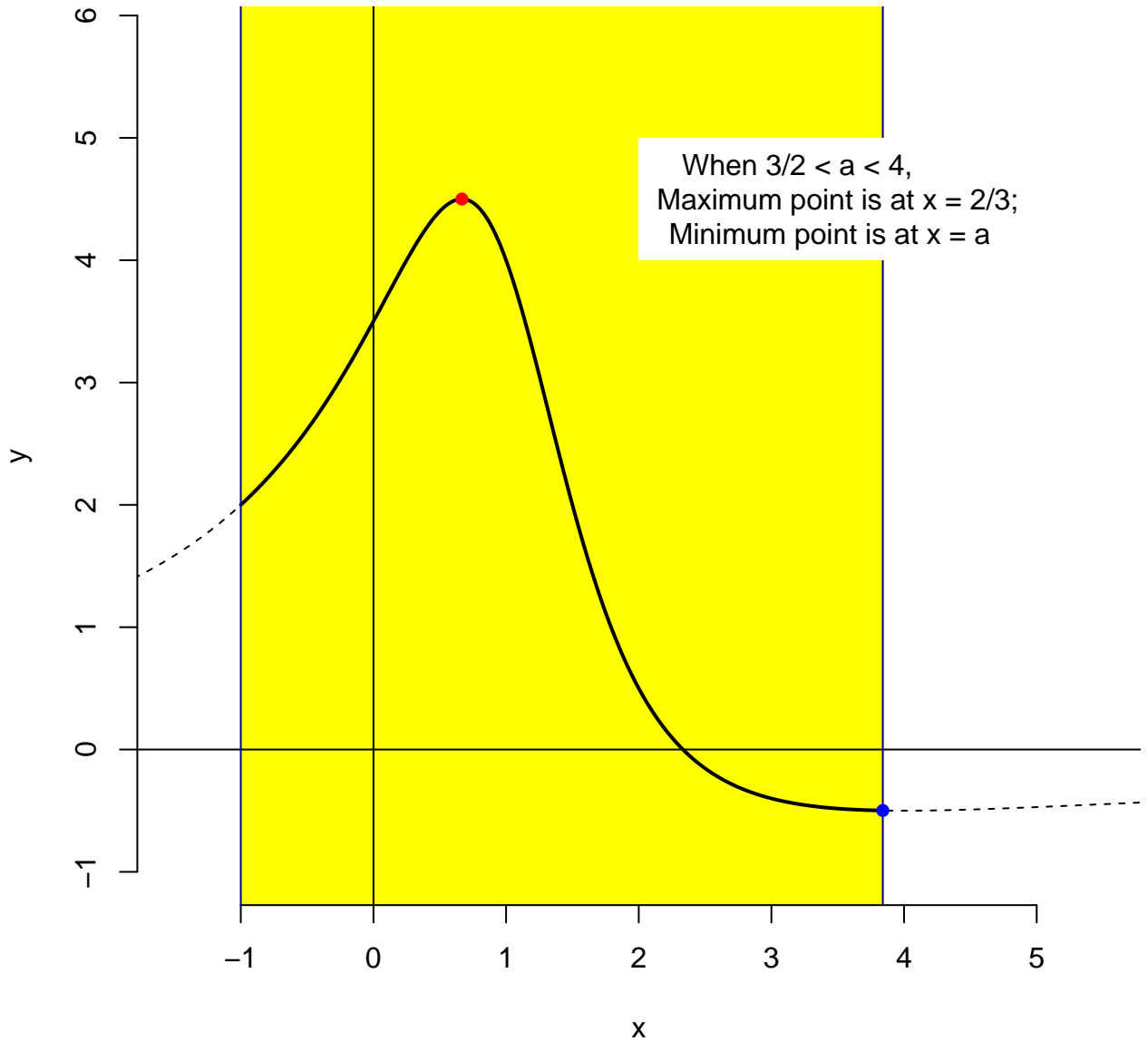
$$a = 3.82$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



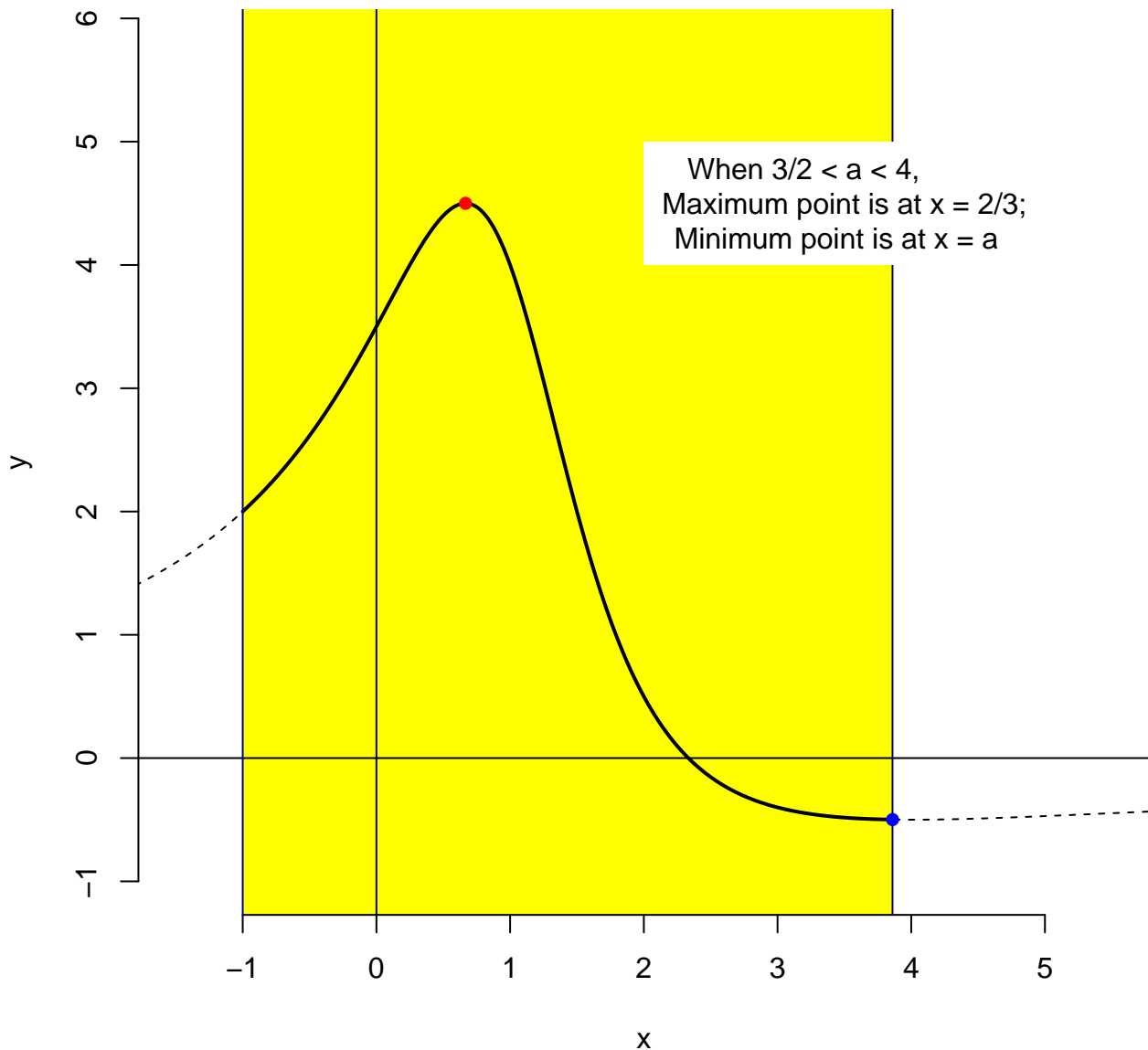
$$a = 3.84$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



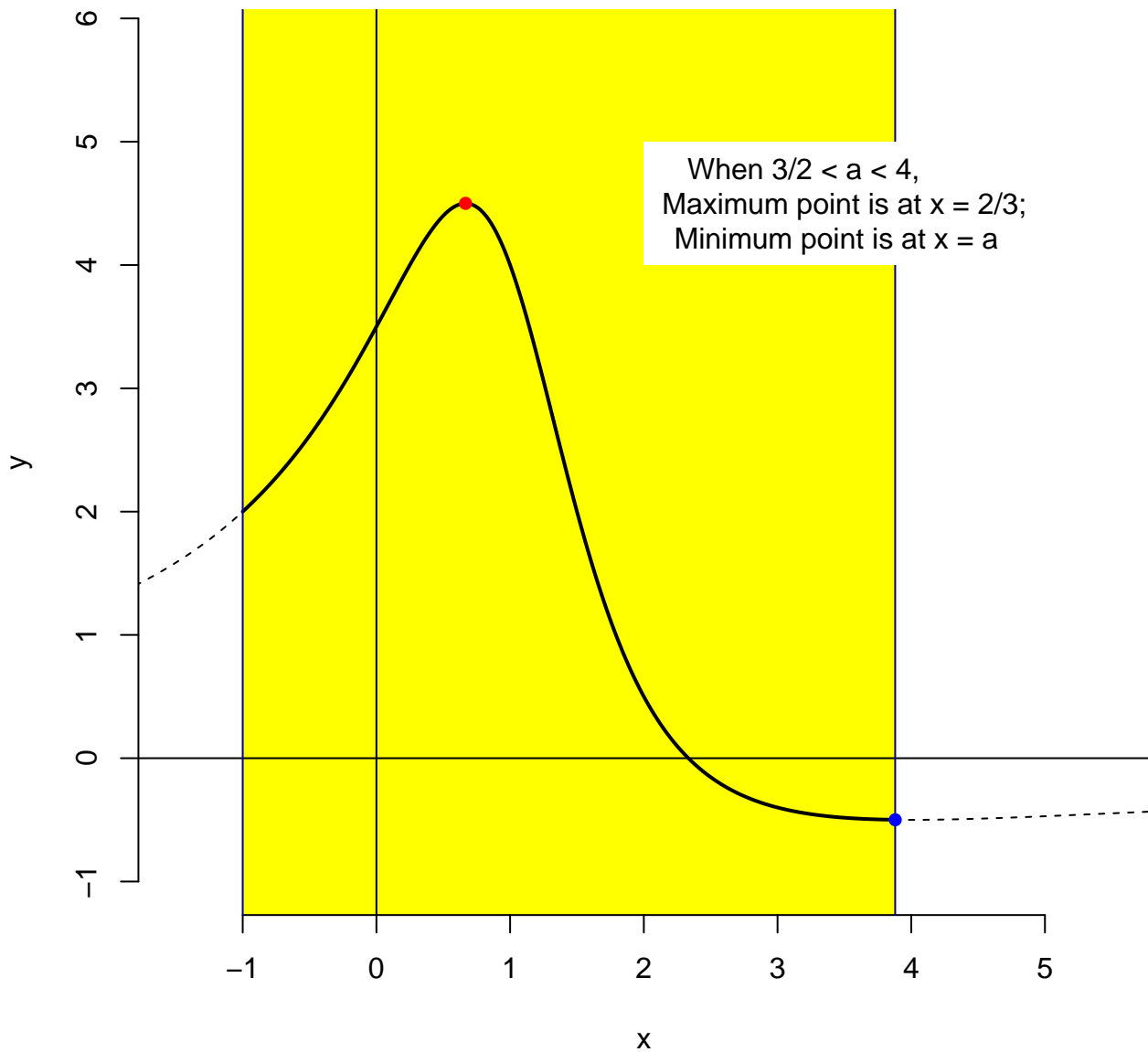
$$a = 3.86$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



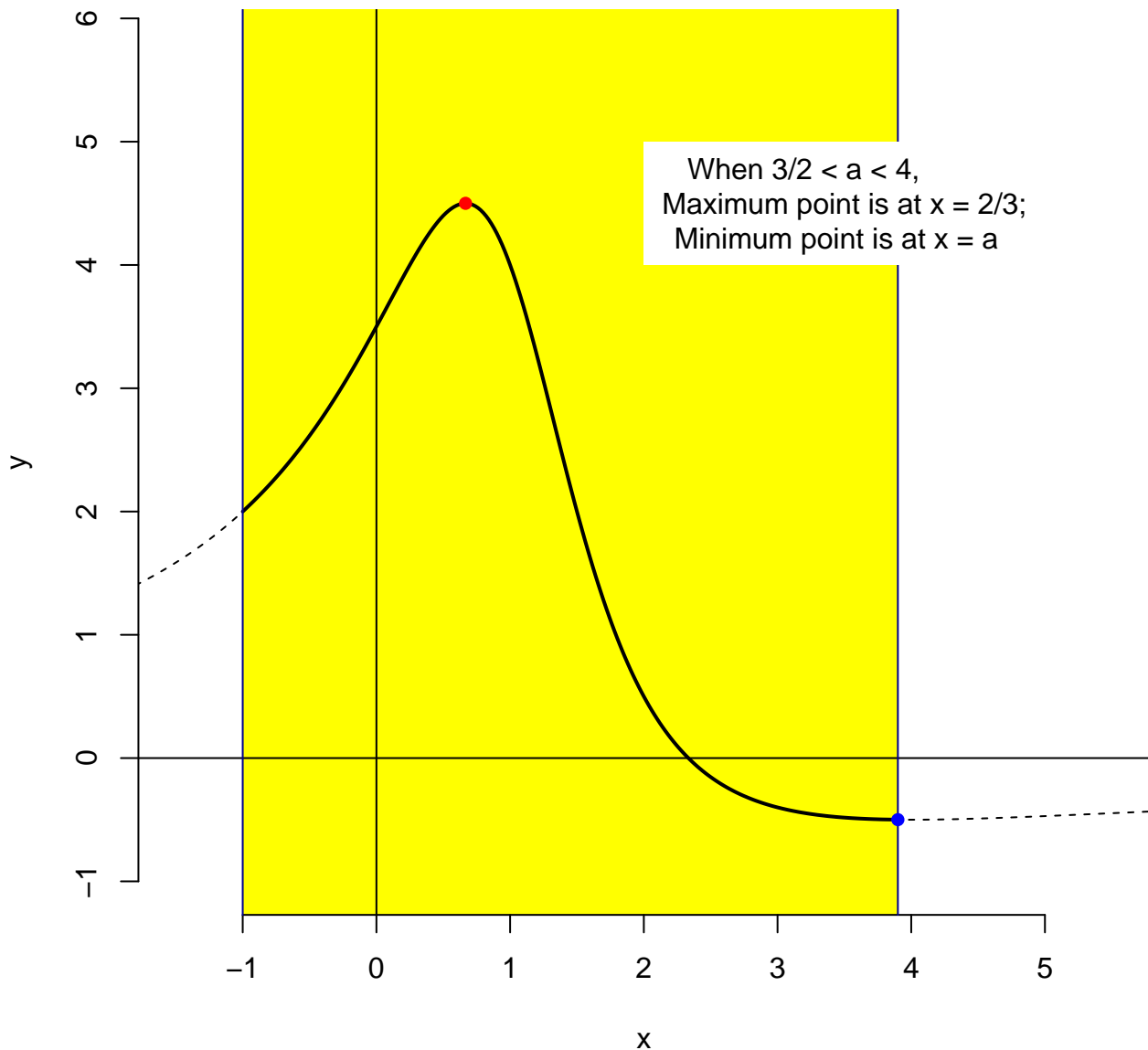
$$a = 3.88$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



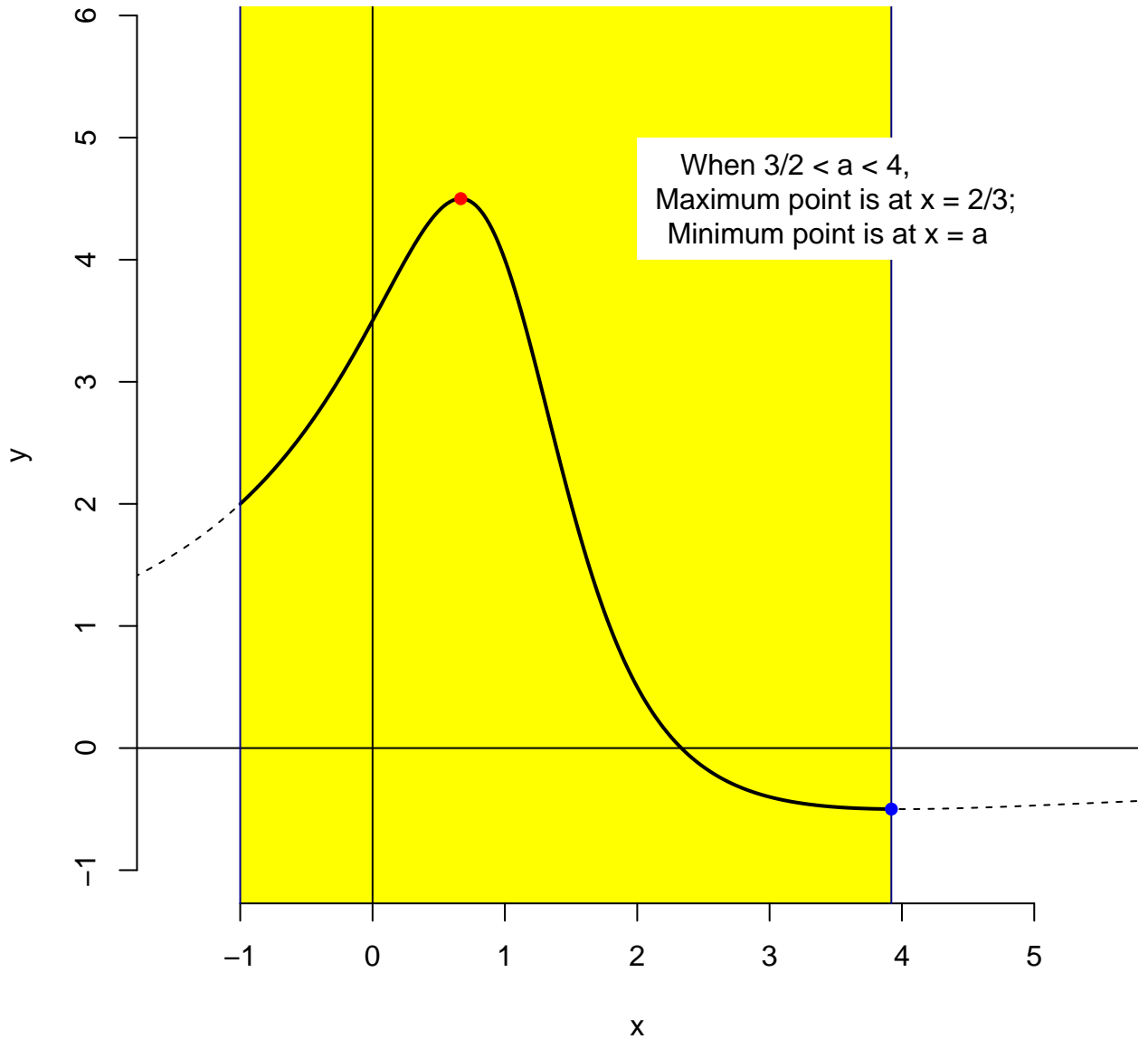
$$a = 3.9$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



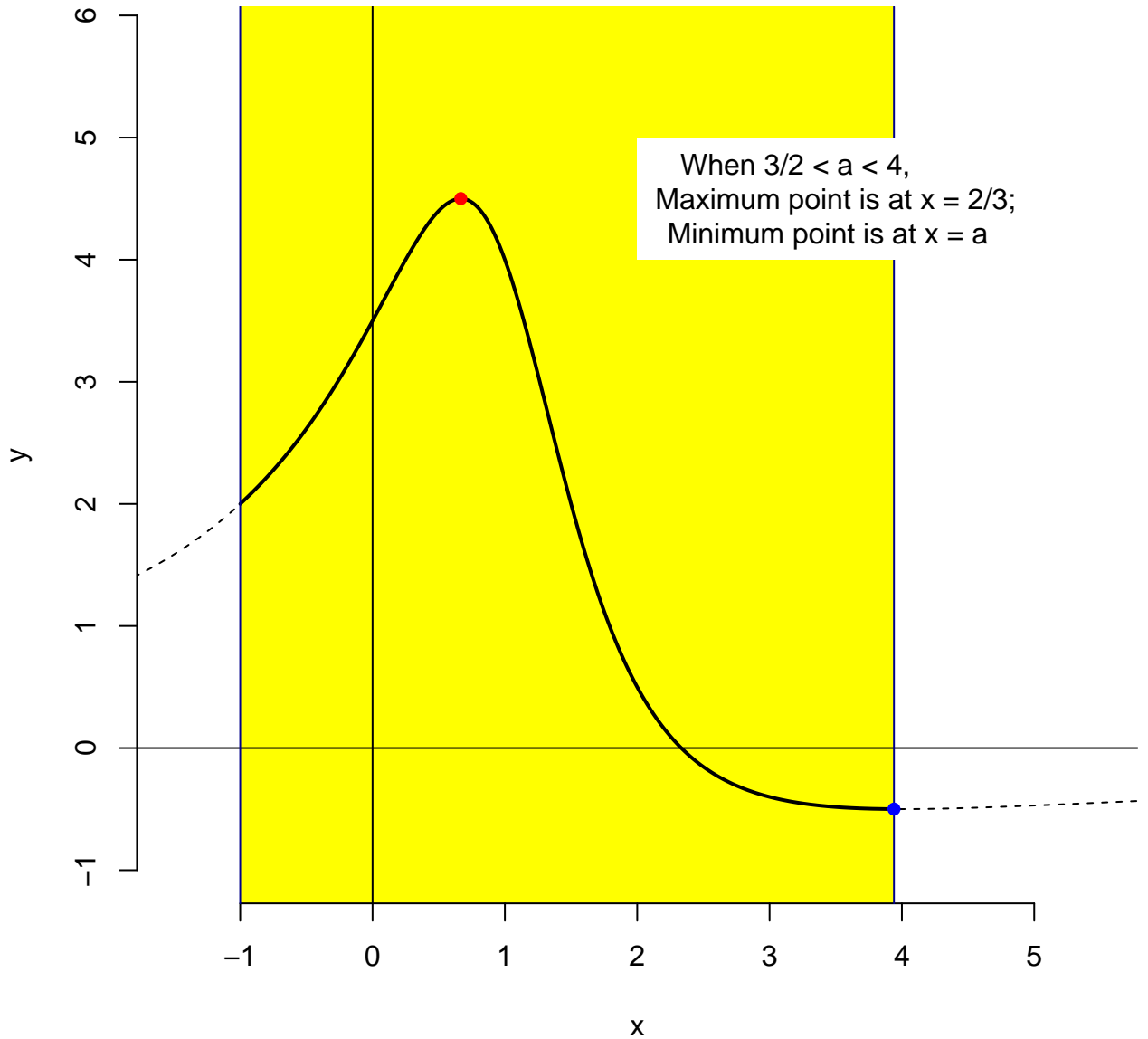
$$a = 3.92$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



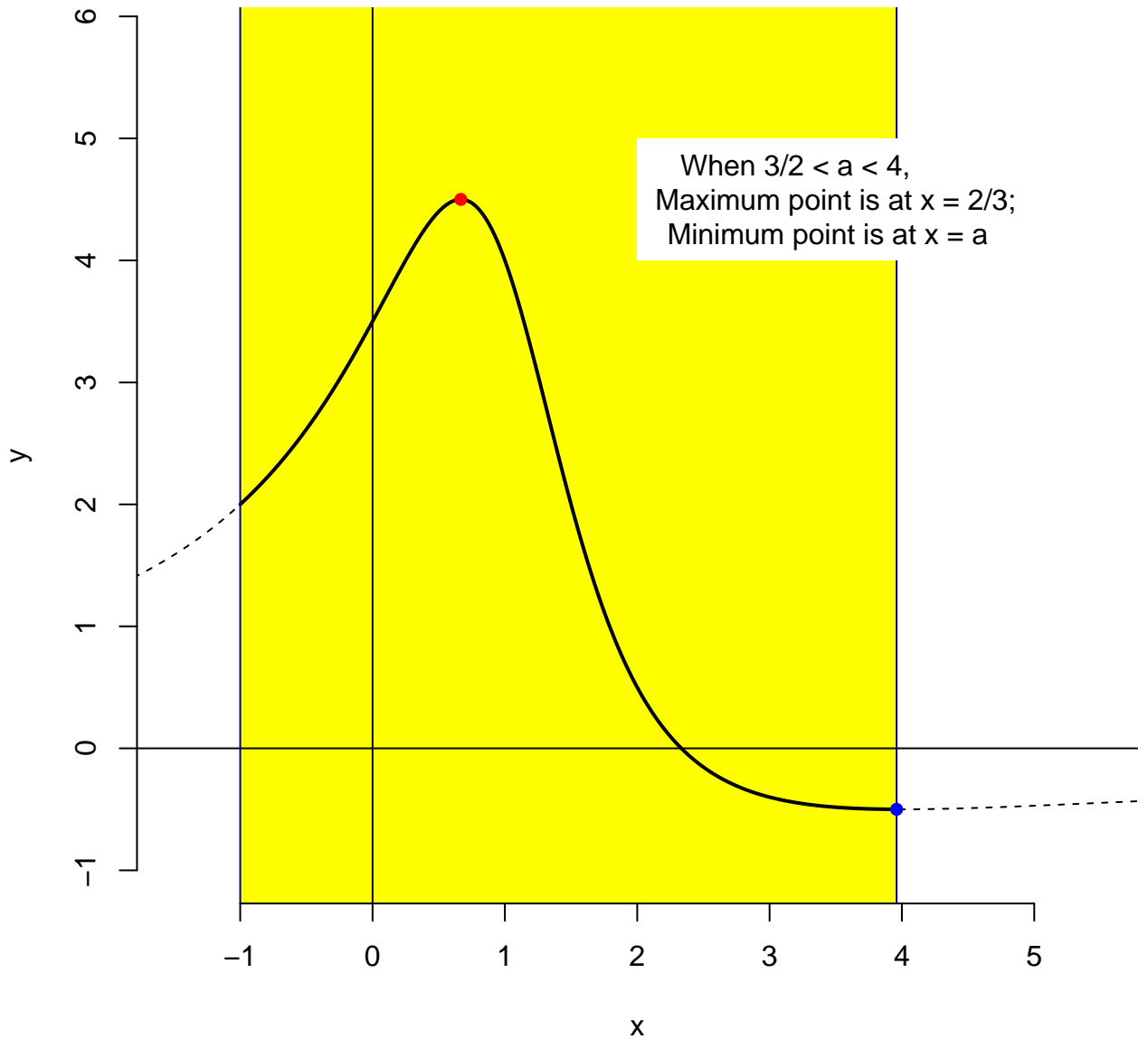
$$a = 3.94$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



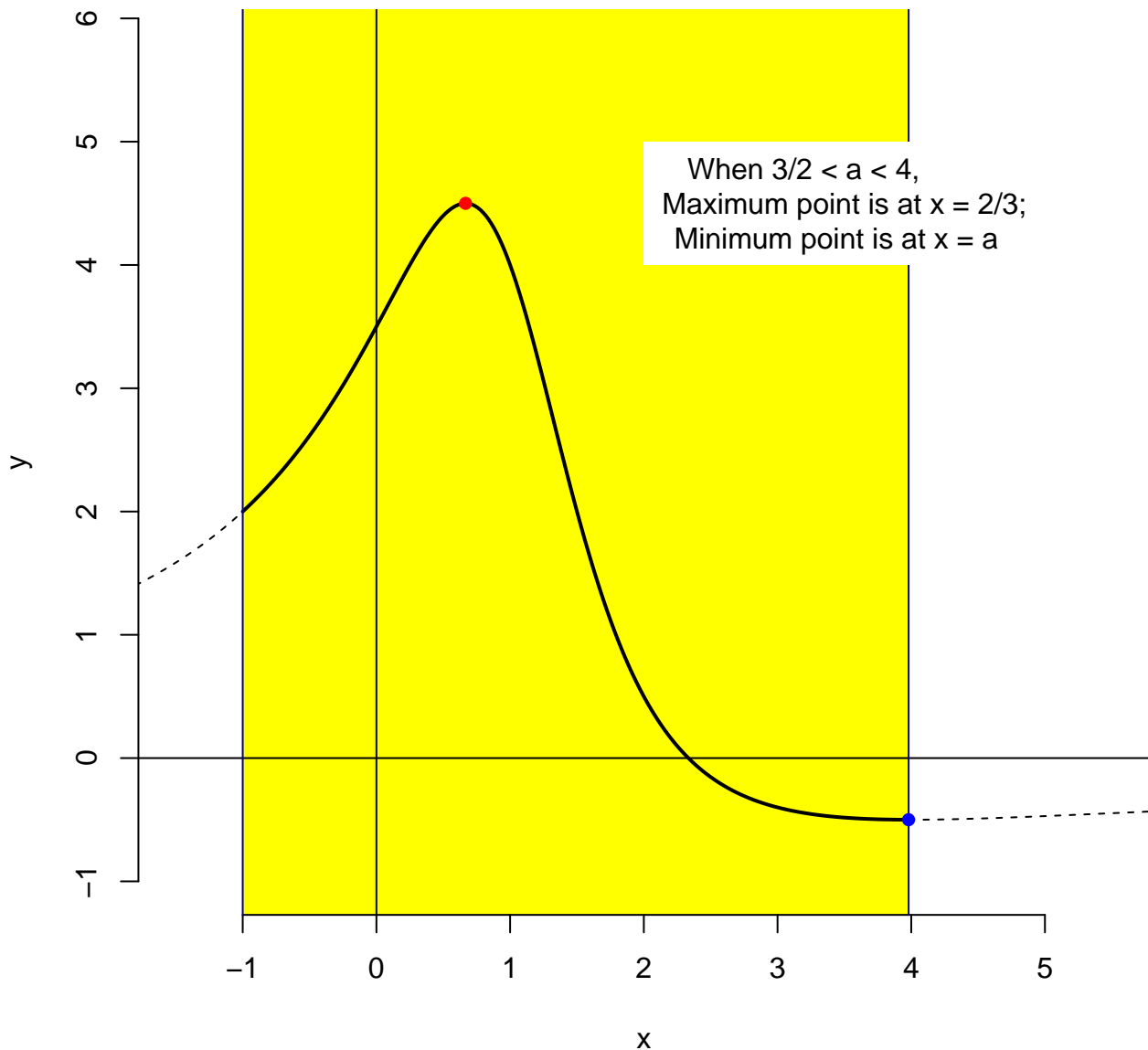
$$a = 3.96$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$



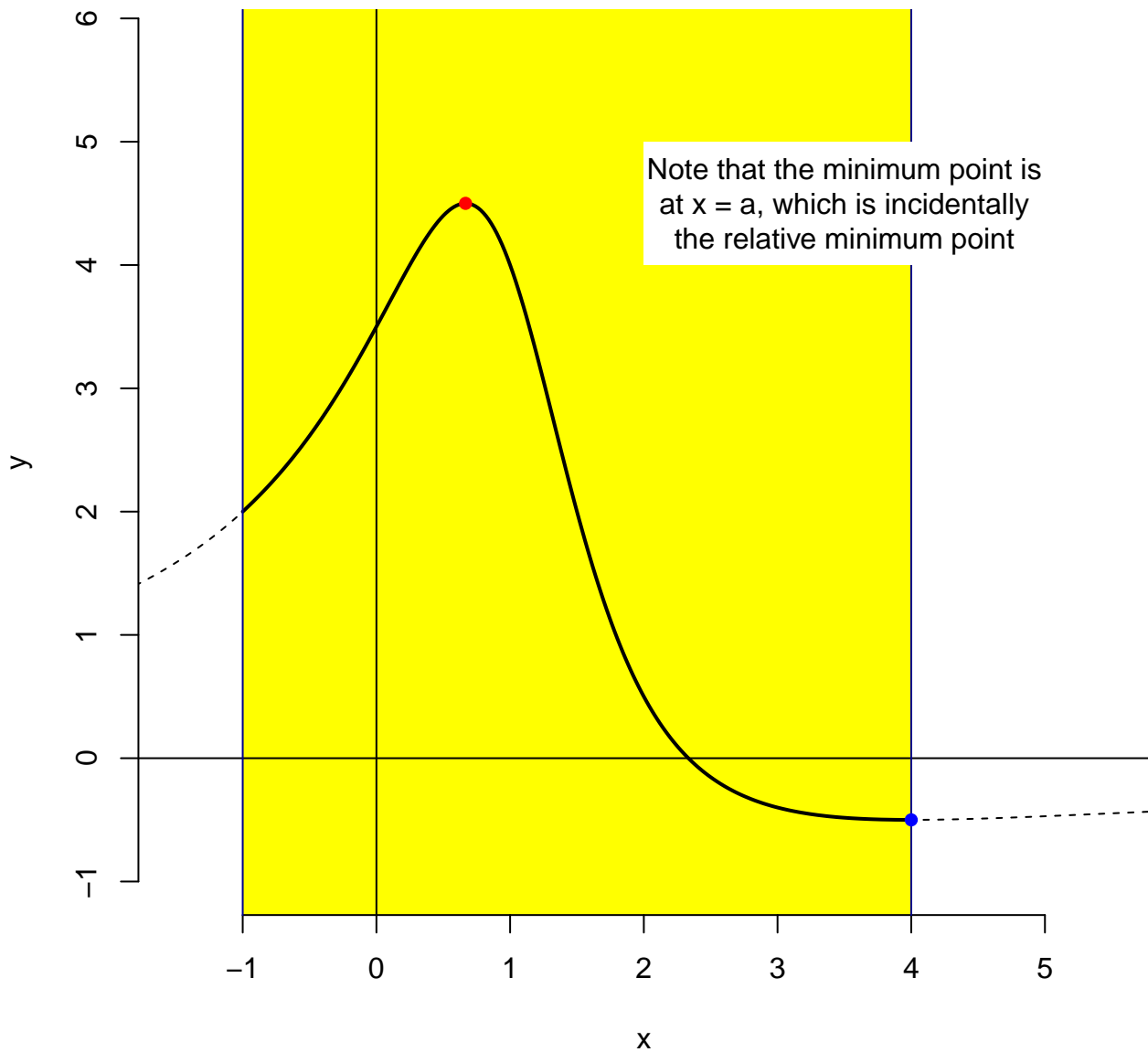
$$a = 3.98$$

When $\frac{3}{2} < a < 4$,
Maximum point is at $x = \frac{2}{3}$;
Minimum point is at $x = a$

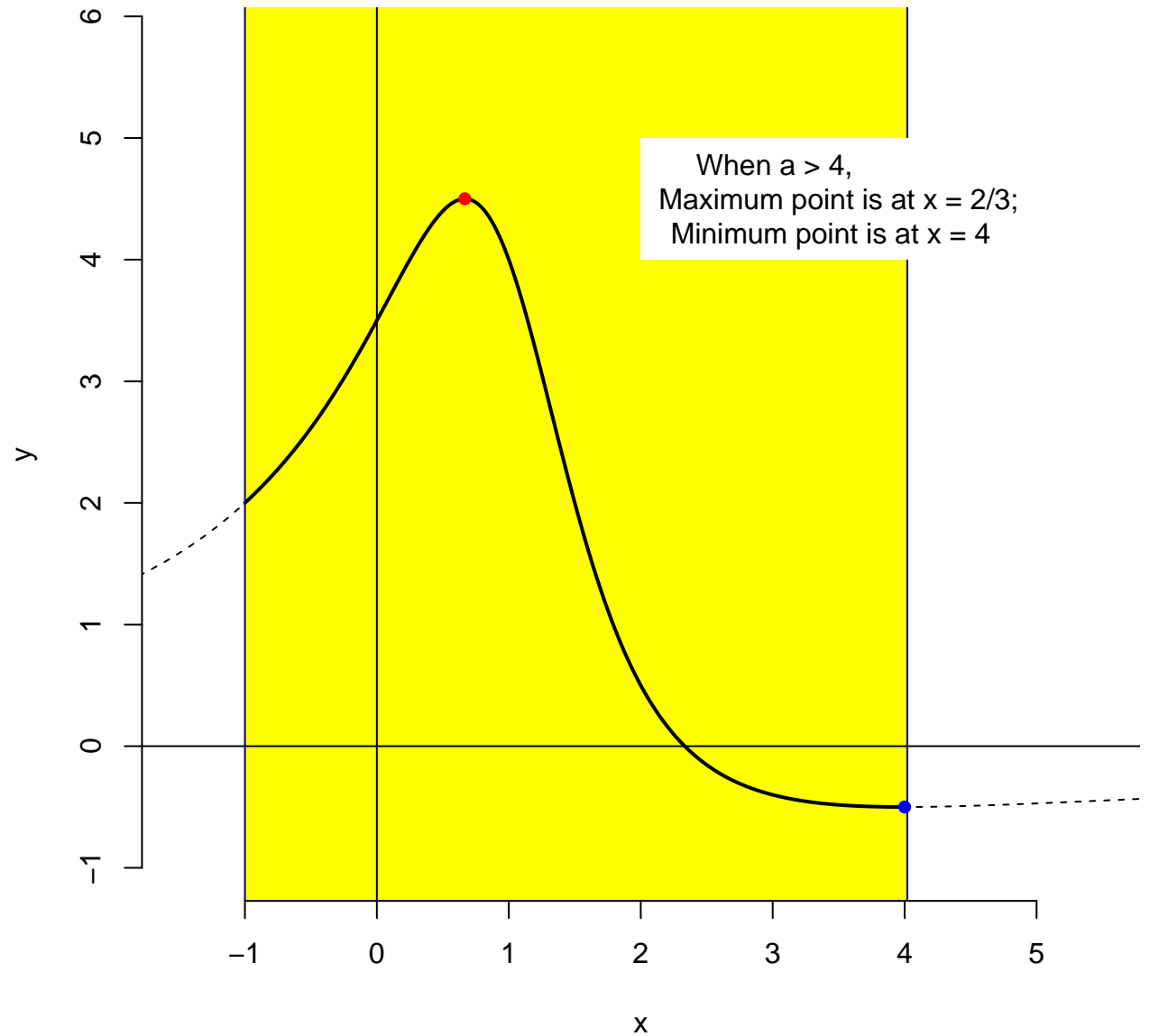


$$a = 4$$

Note that the minimum point is at $x = a$, which is incidentally the relative minimum point

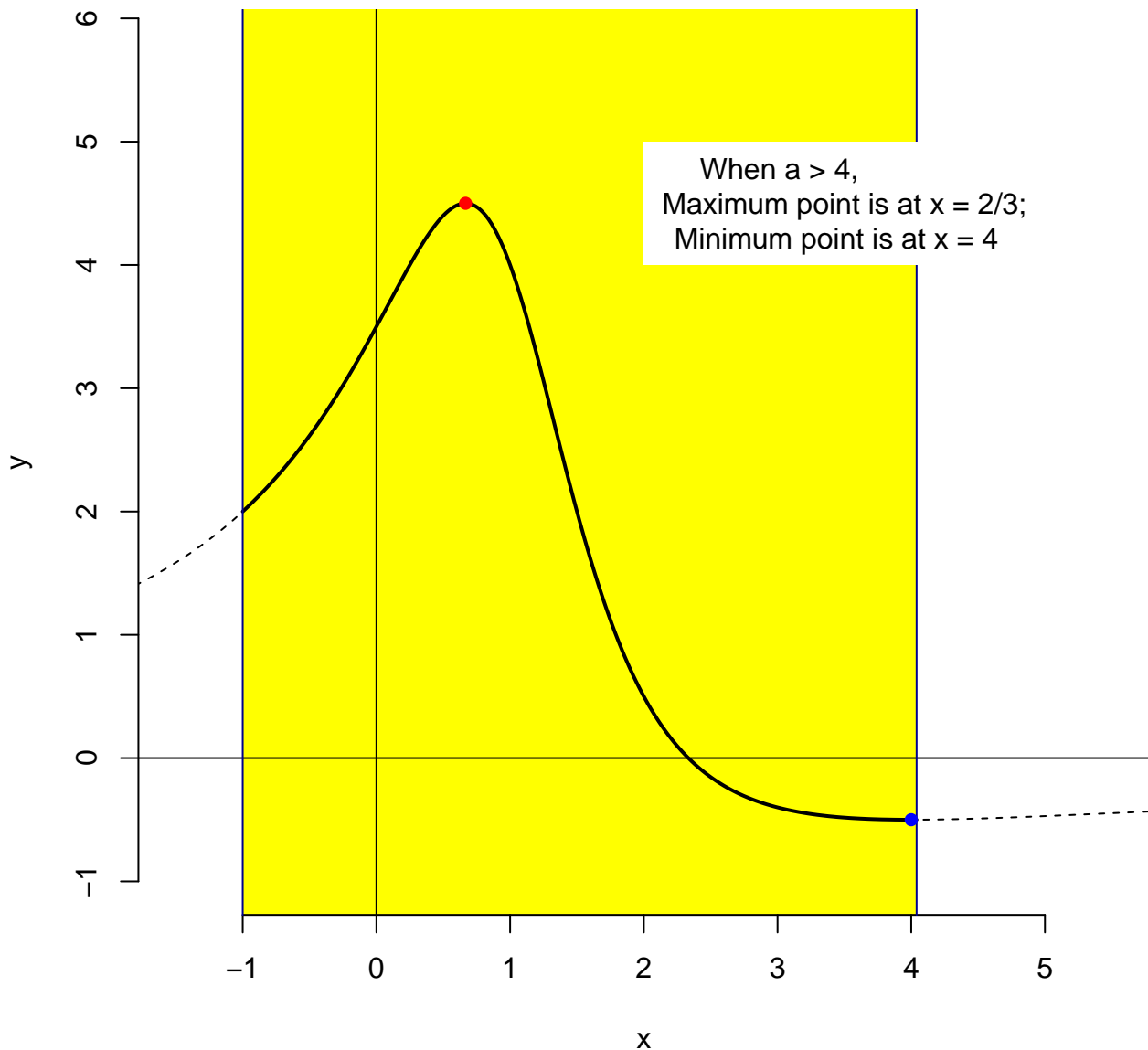


$a = 4.02$



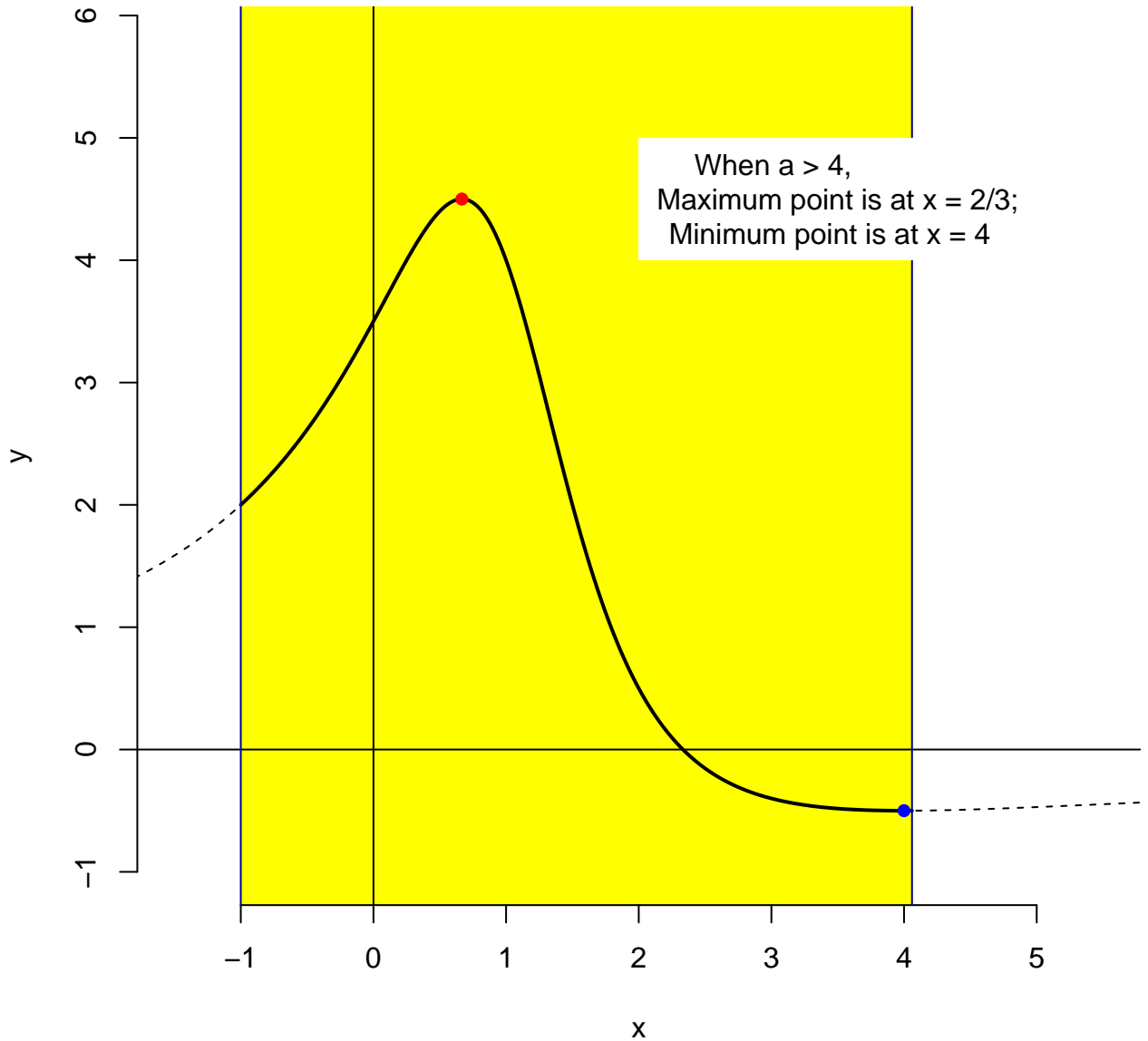
$a = 4.04$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

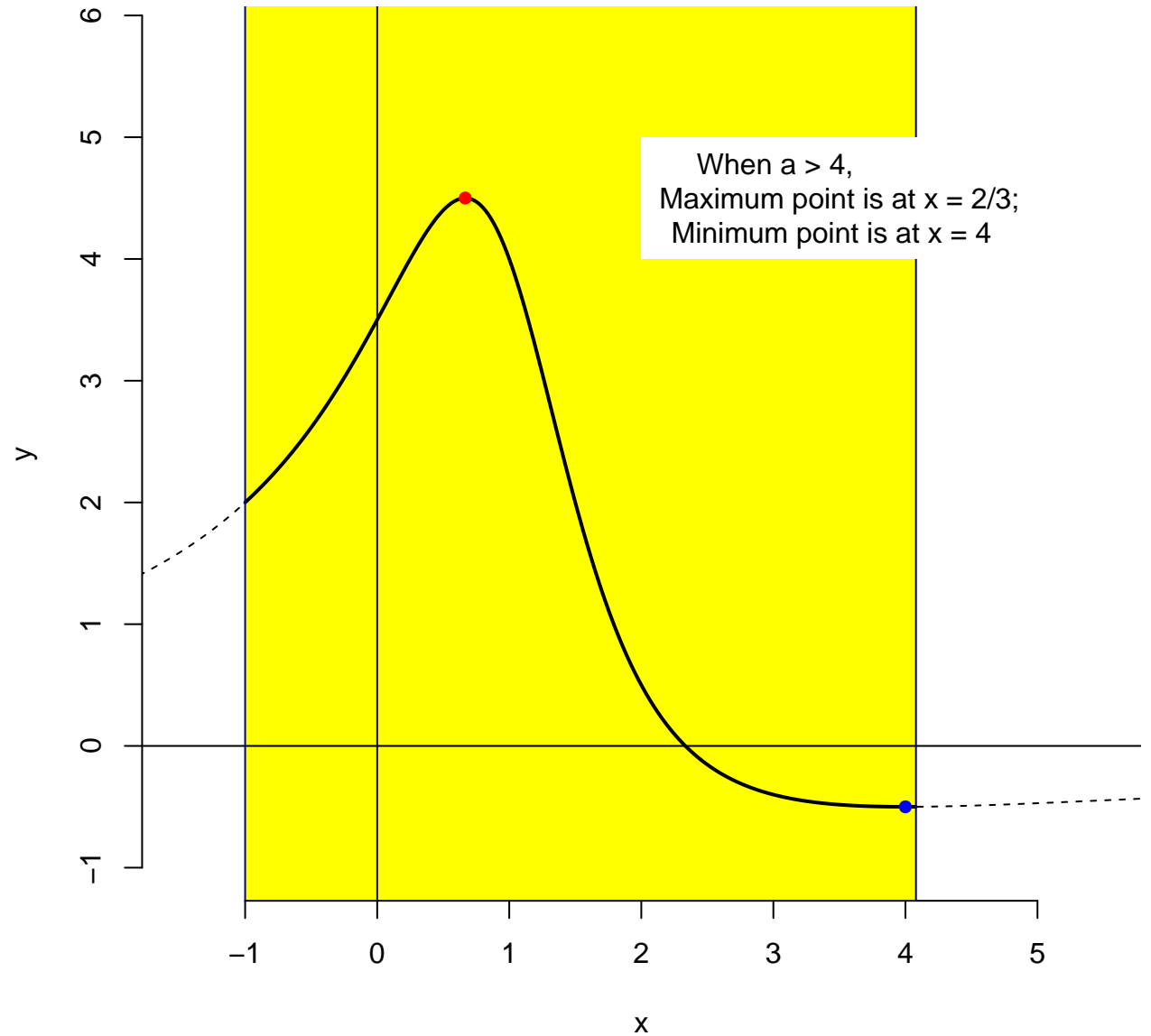


$a = 4.06$

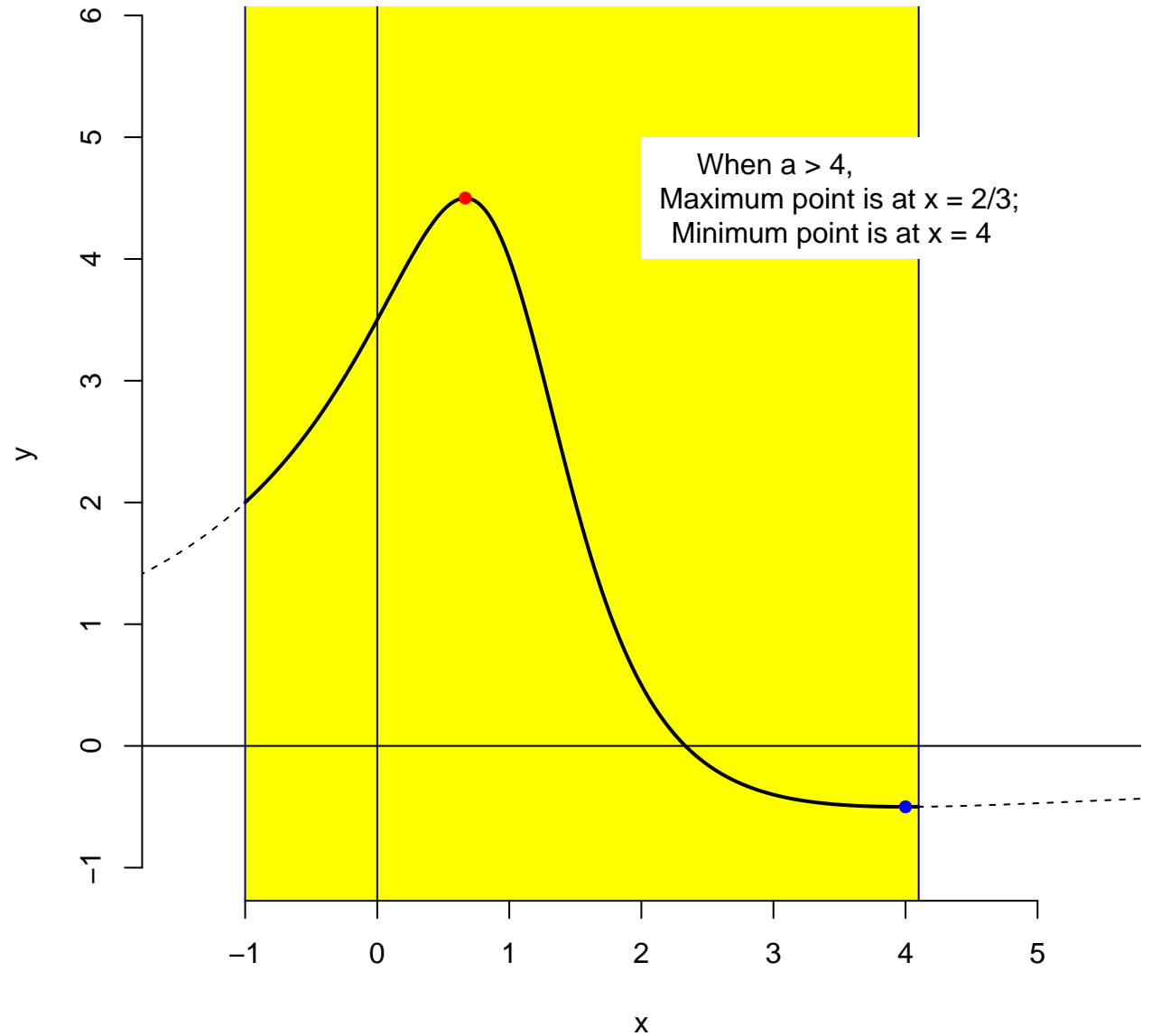
When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$



$a = 4.08$

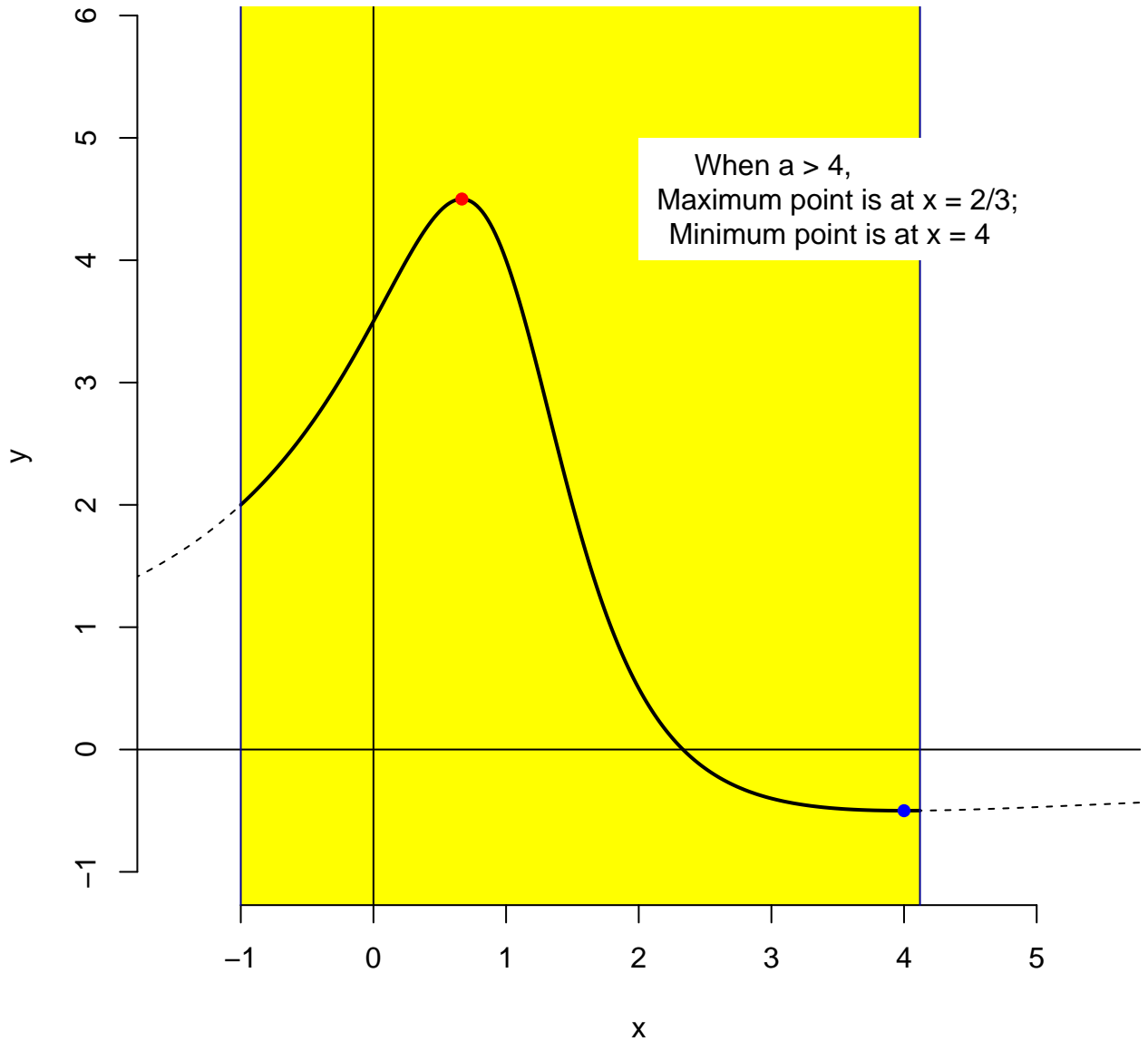


a = 4.1



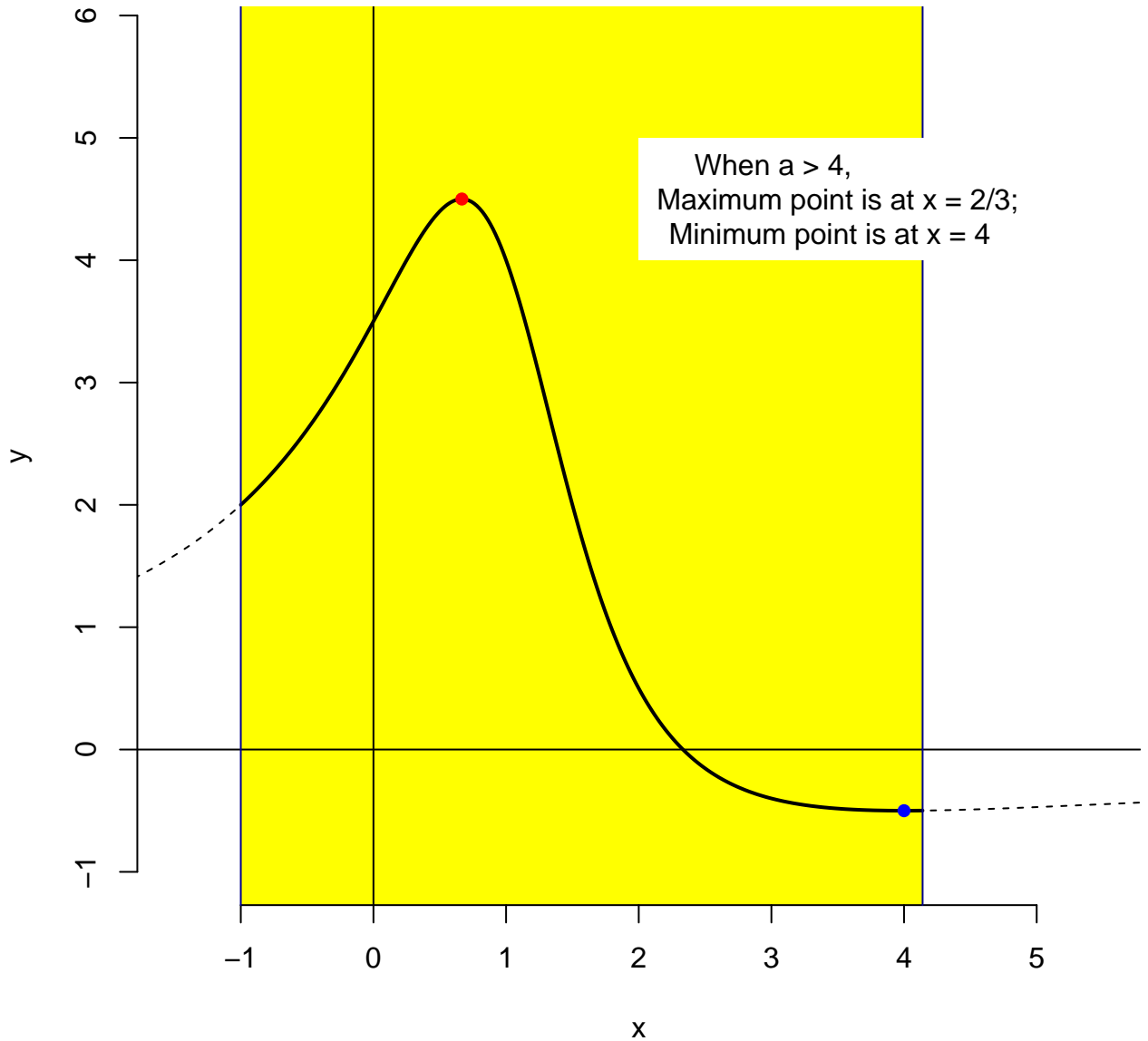
$a = 4.12$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$



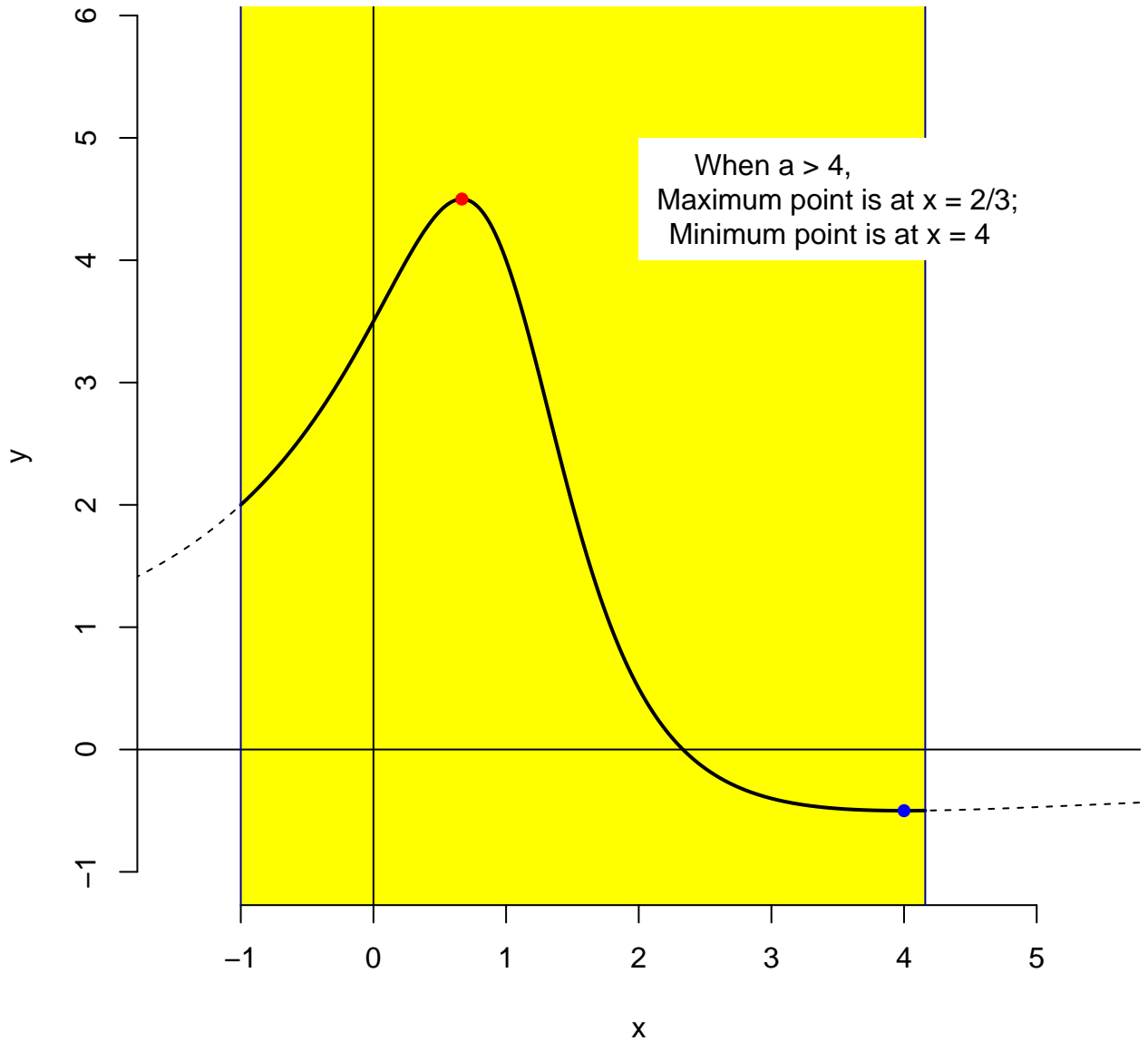
$$a = 4.14$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$



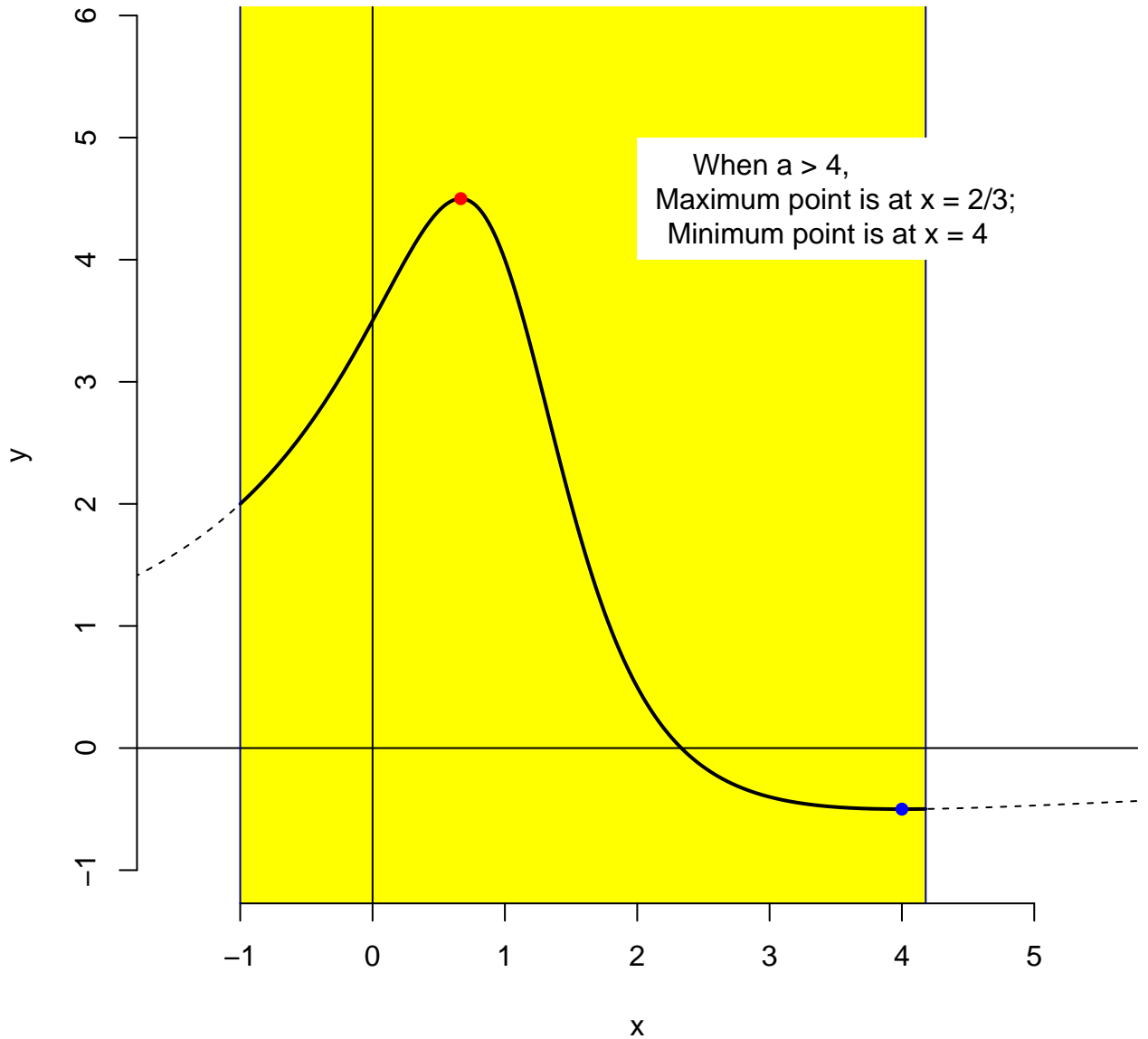
$$a = 4.16$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$



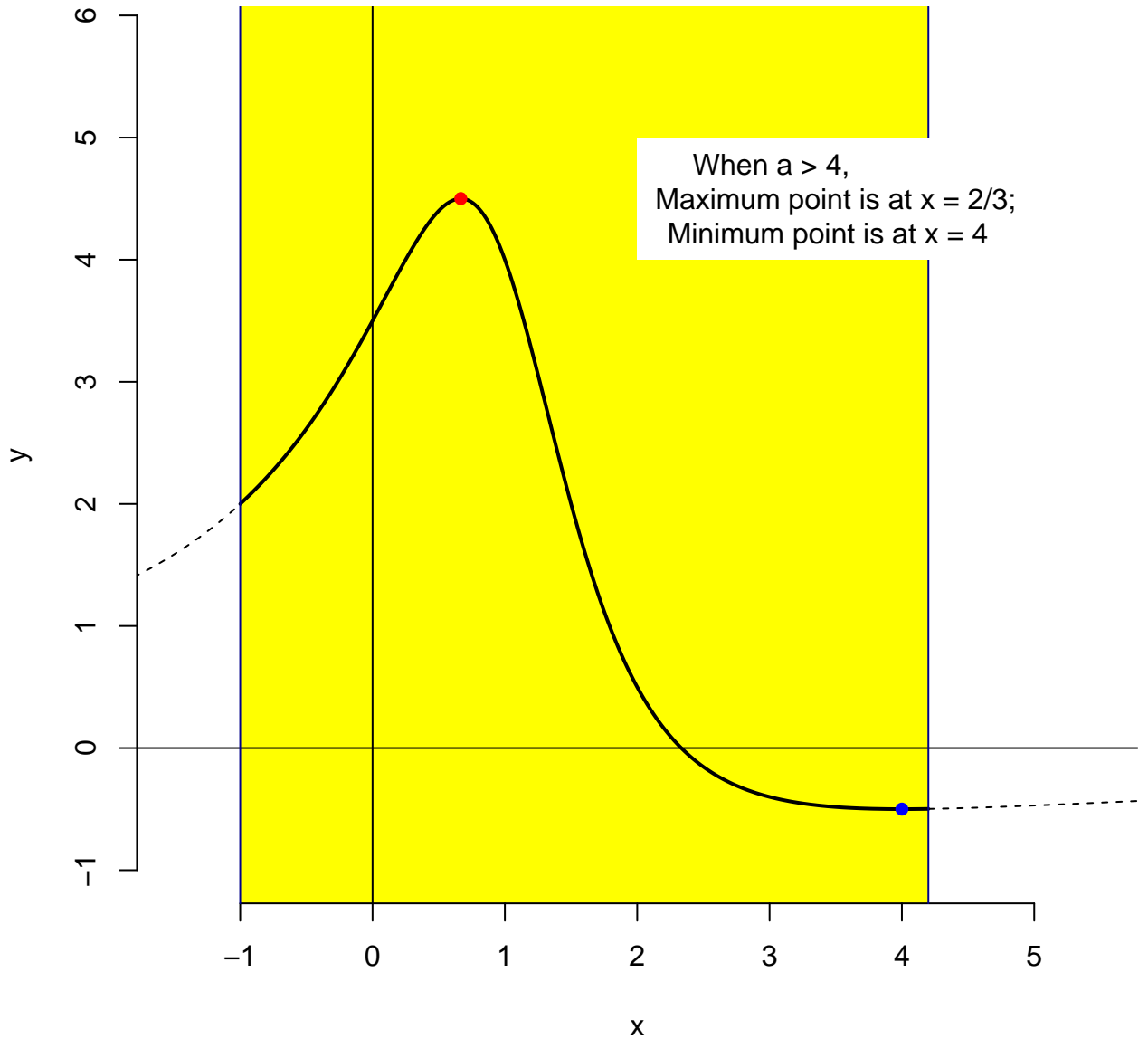
$$a = 4.18$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$



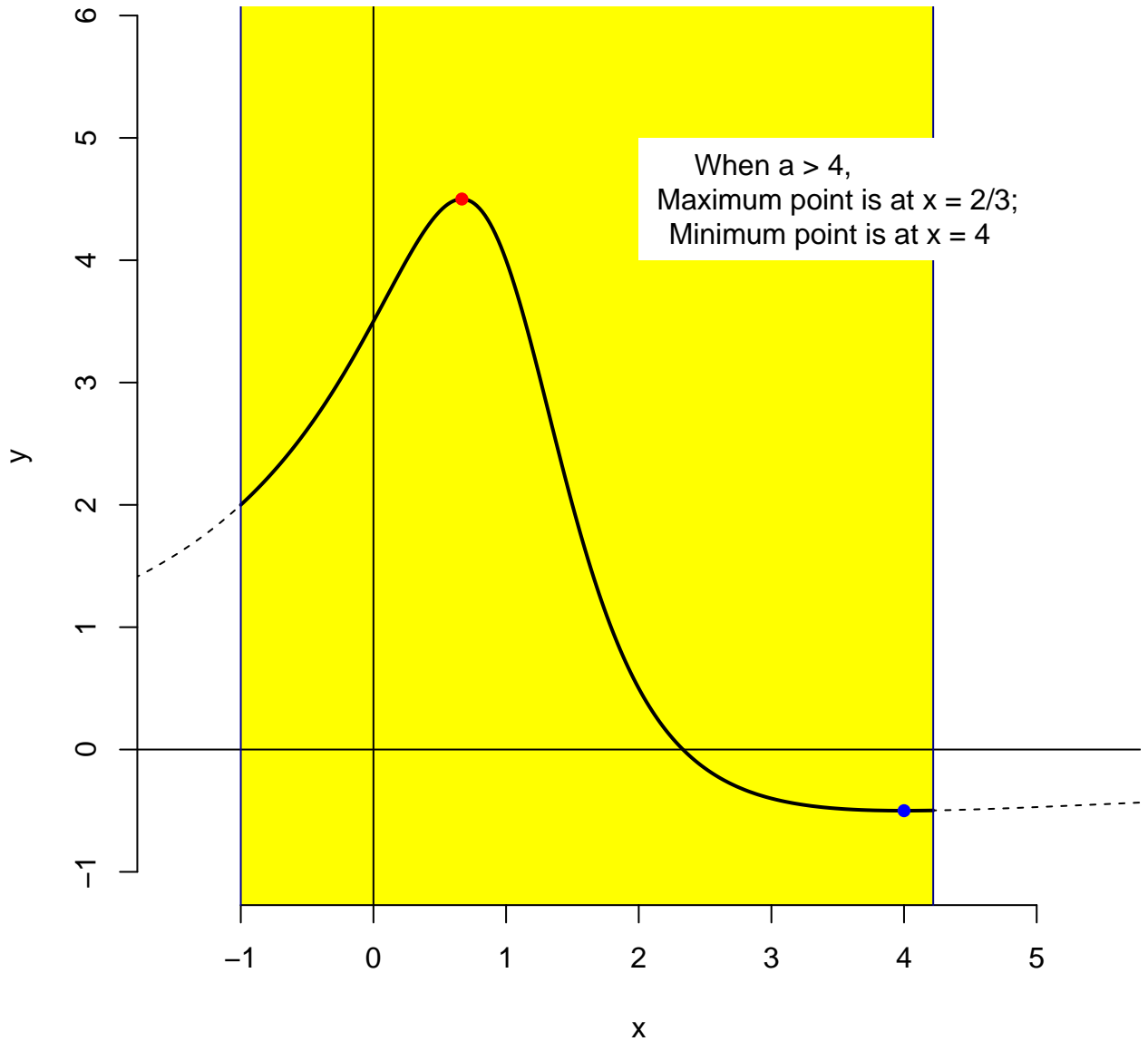
$a = 4.2$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

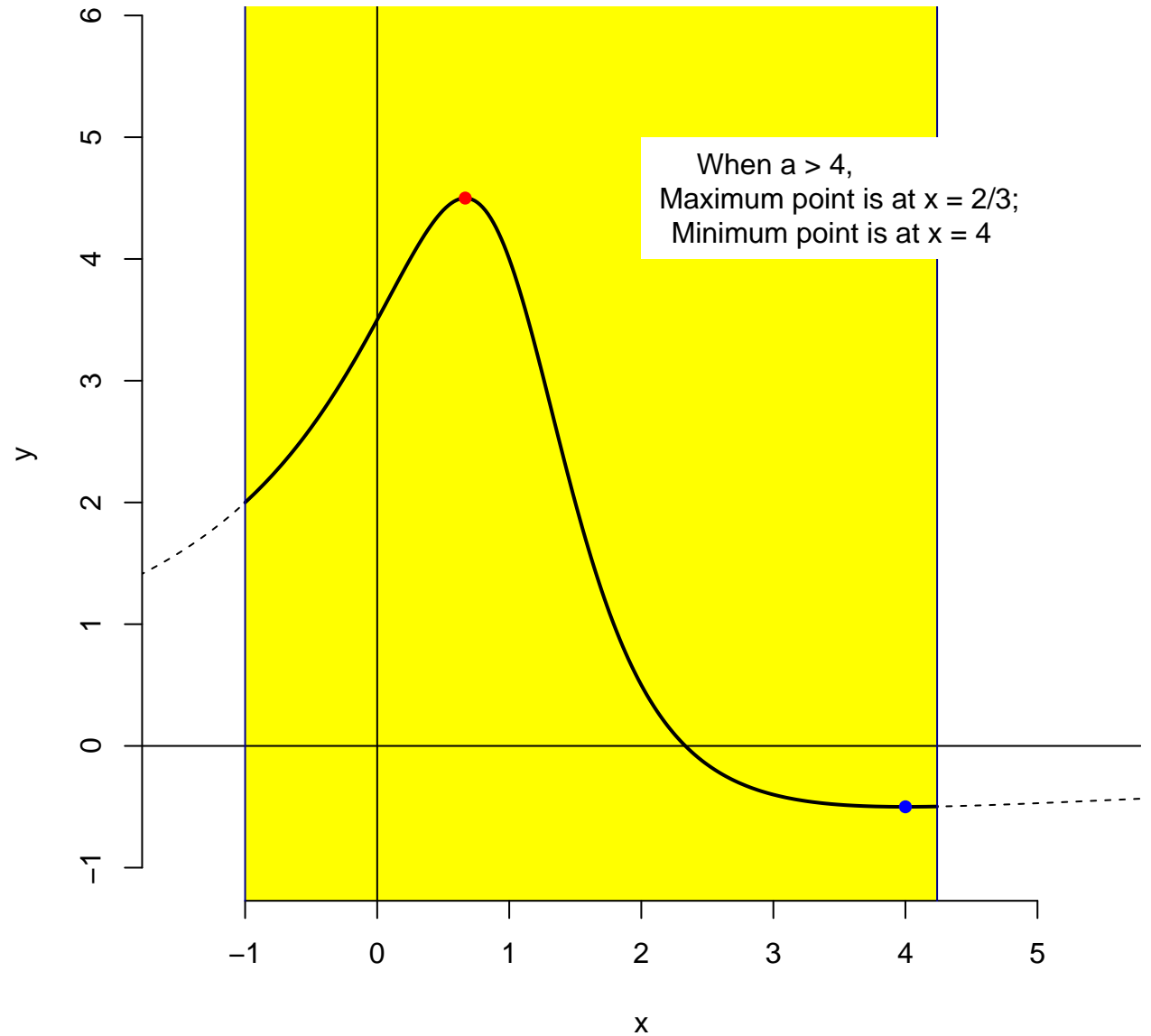


$$a = 4.22$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

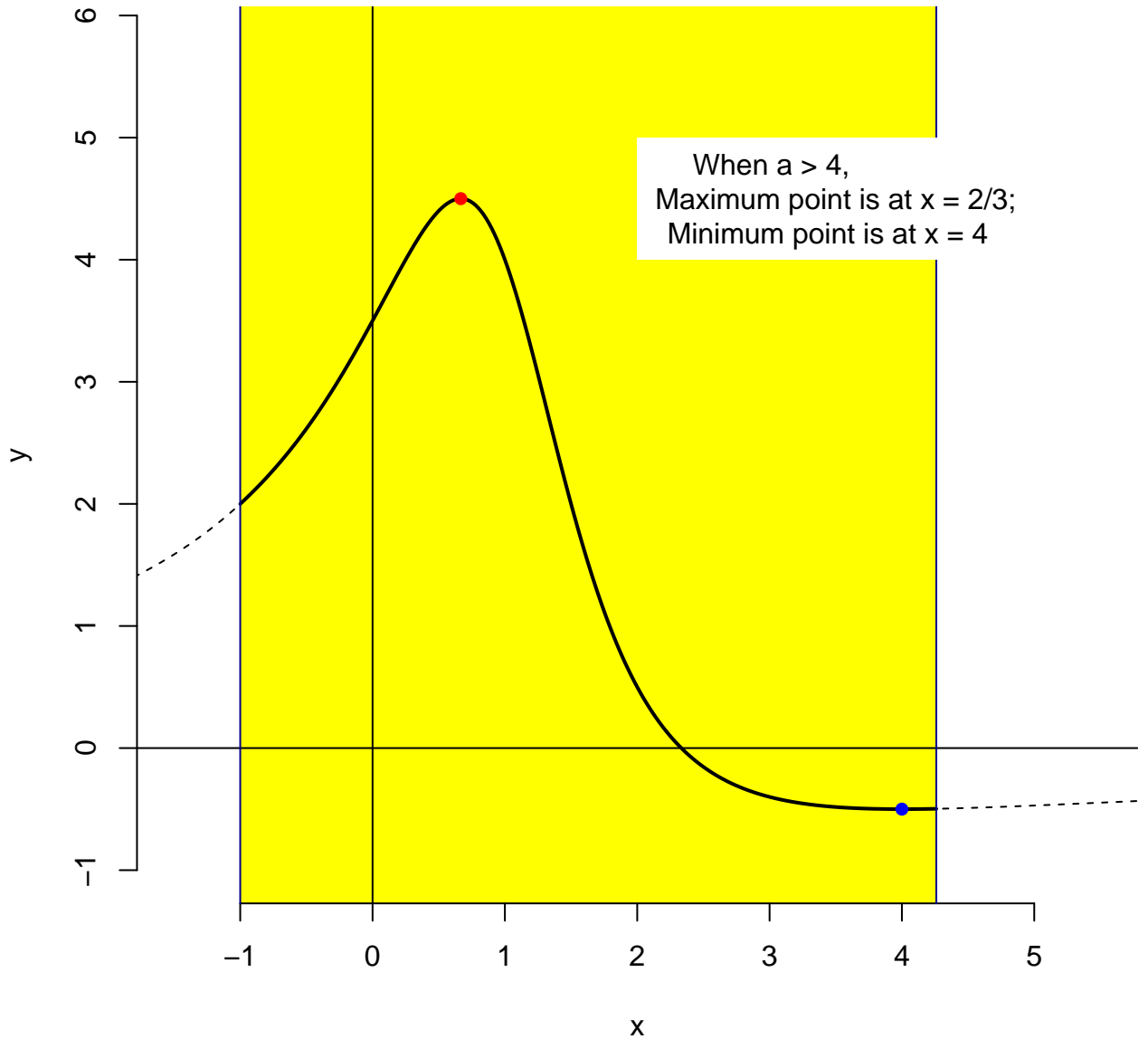


$a = 4.24$



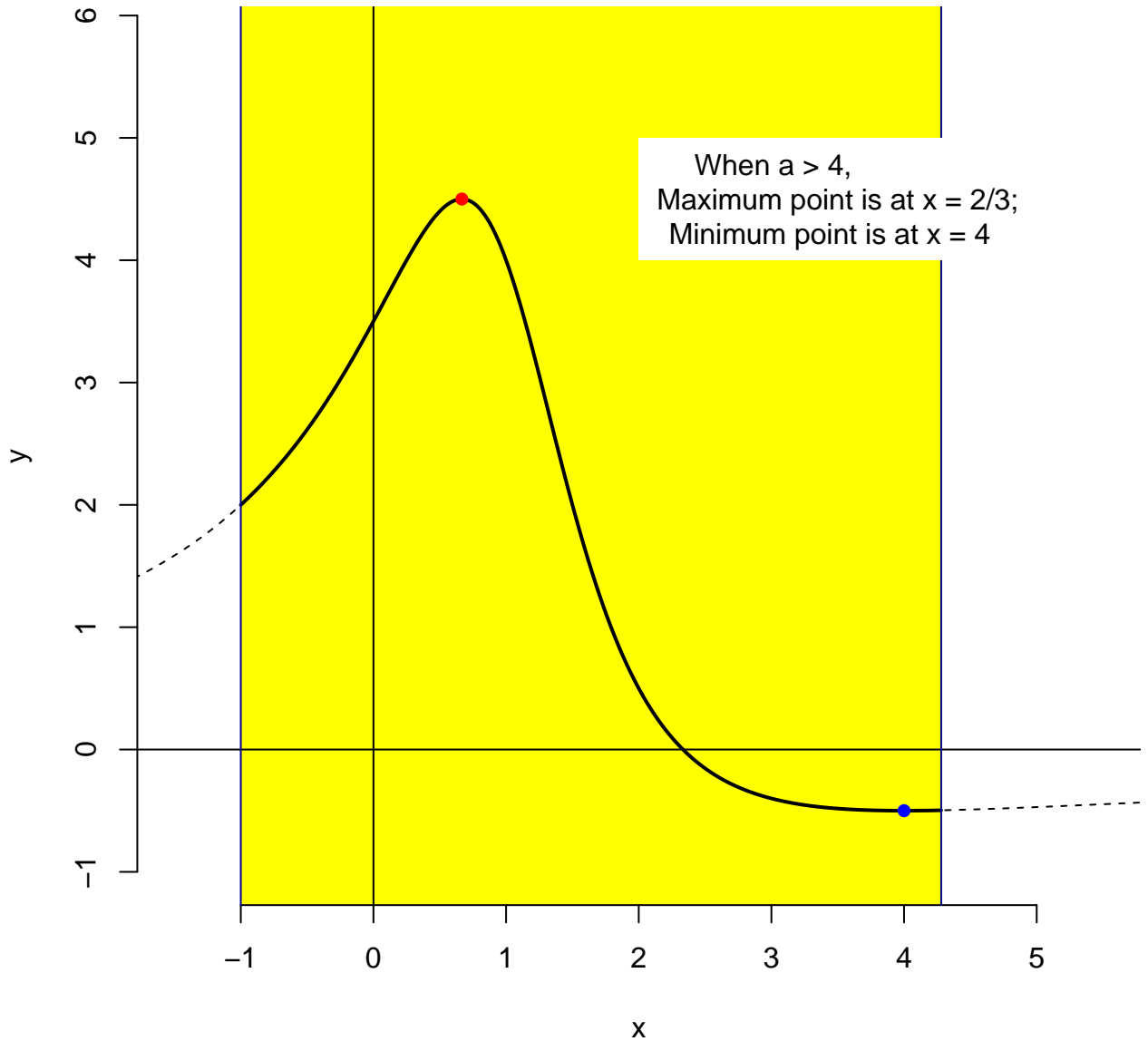
$$a = 4.26$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$



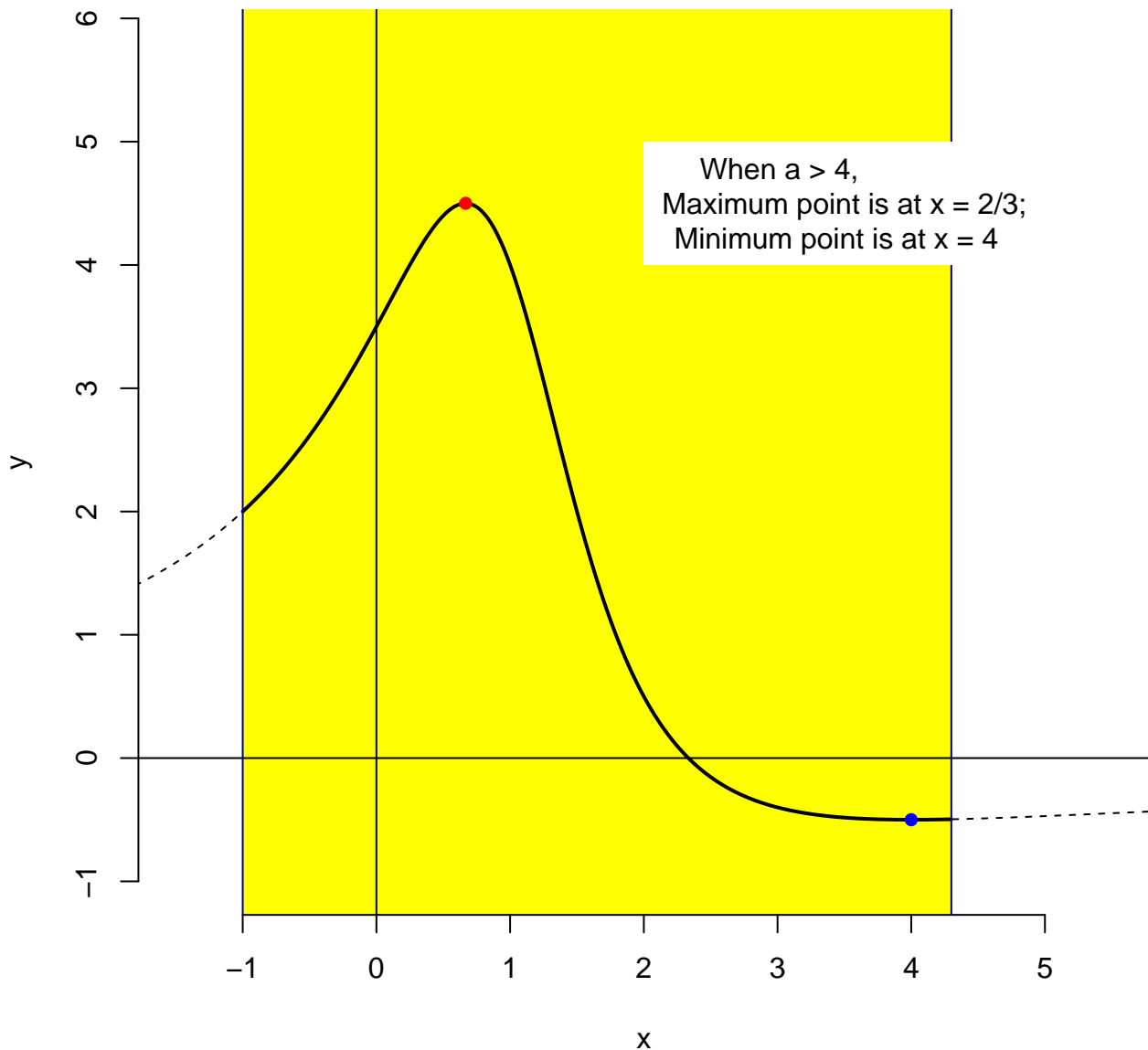
$$a = 4.28$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

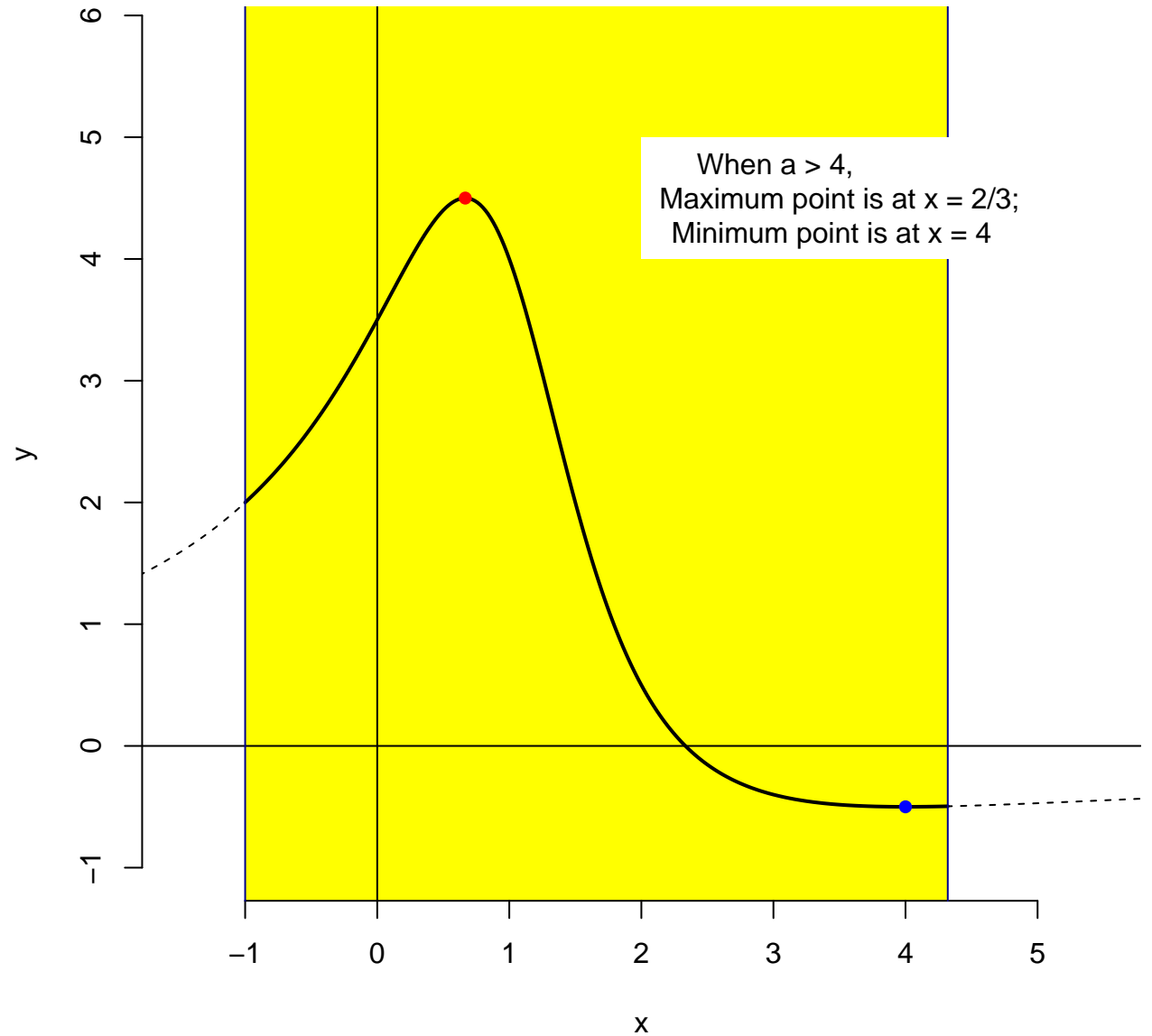


$a = 4.3$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

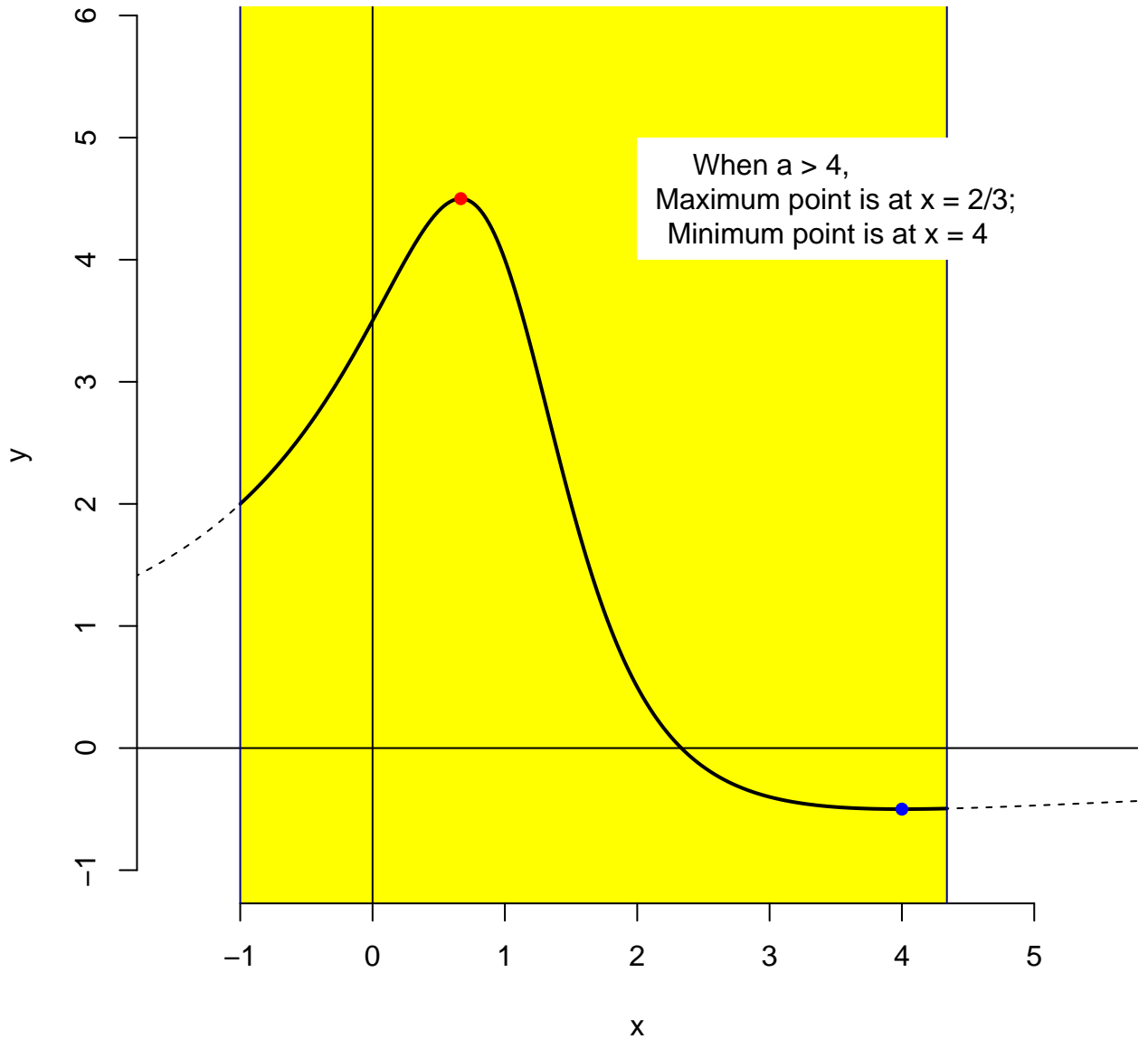


$a = 4.32$

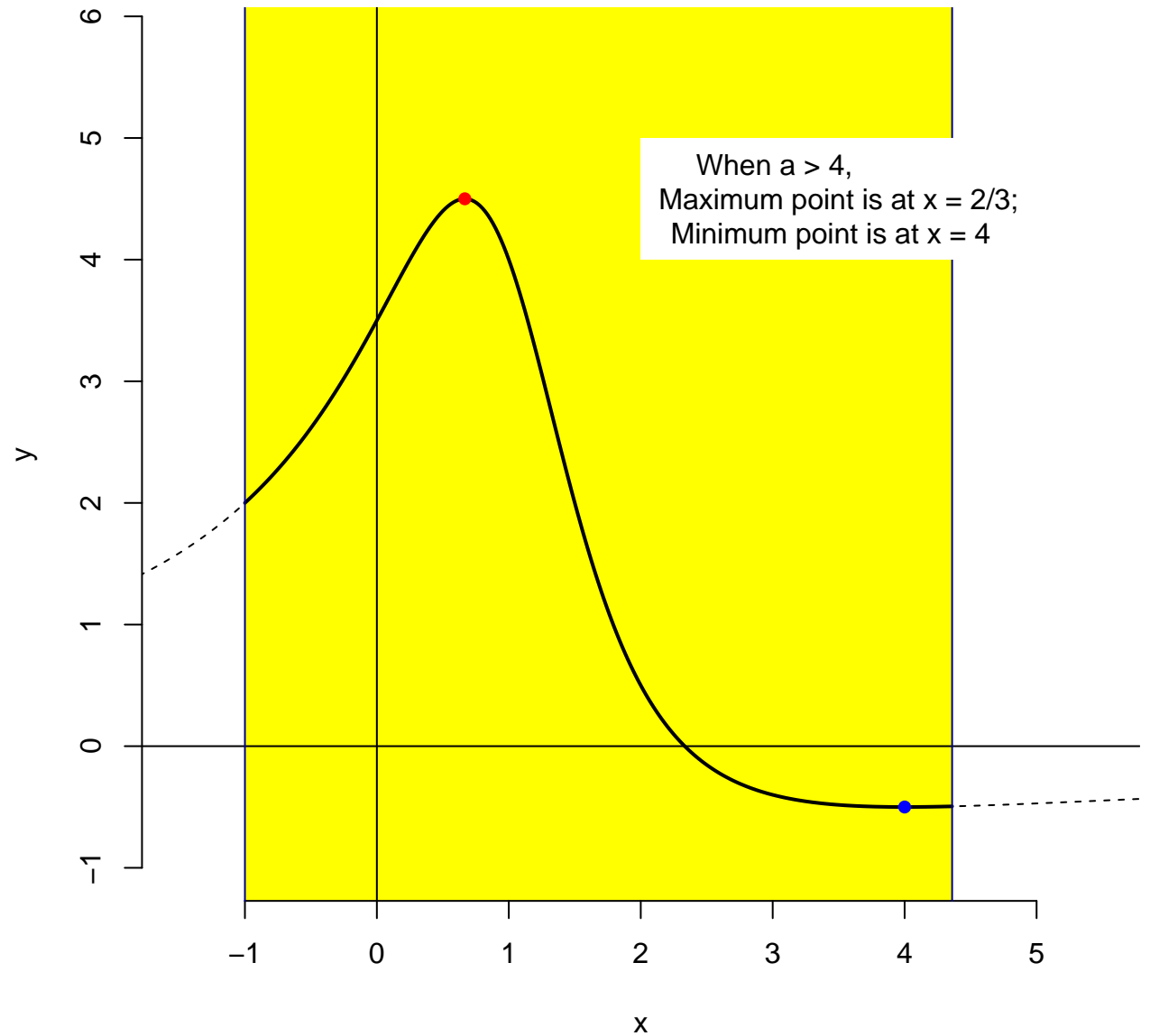


$$a = 4.34$$

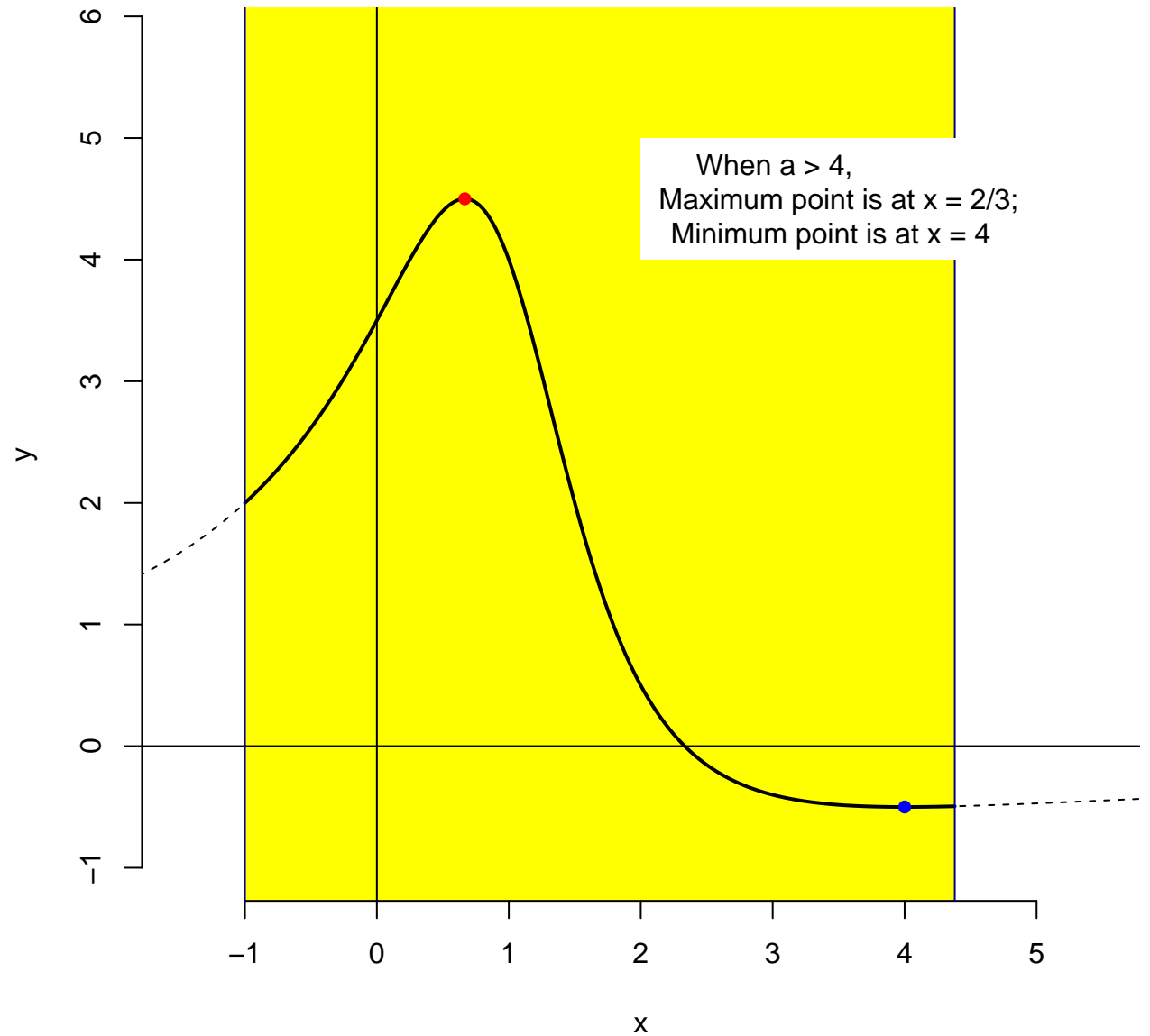
When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$



$a = 4.36$

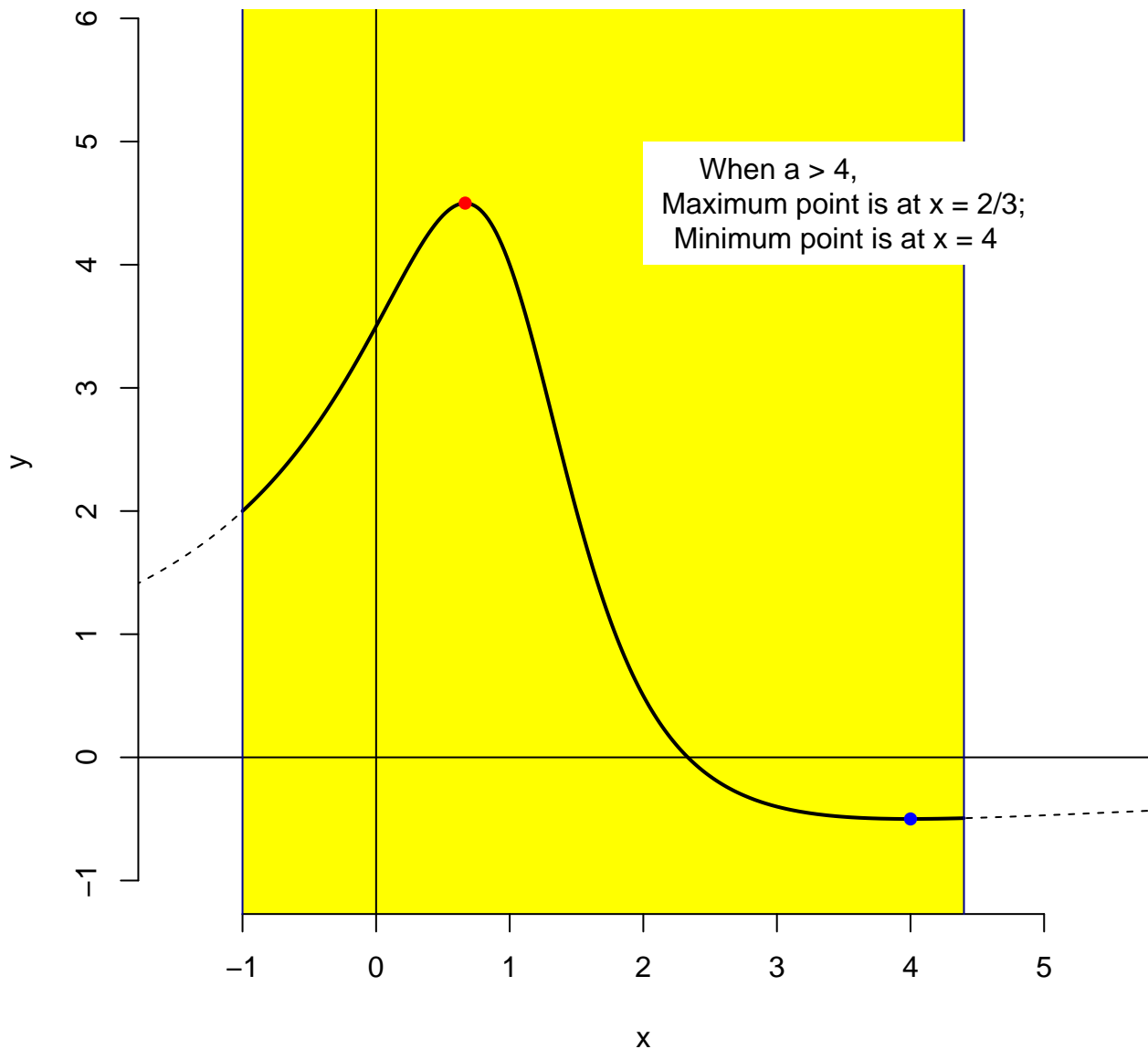


$a = 4.38$

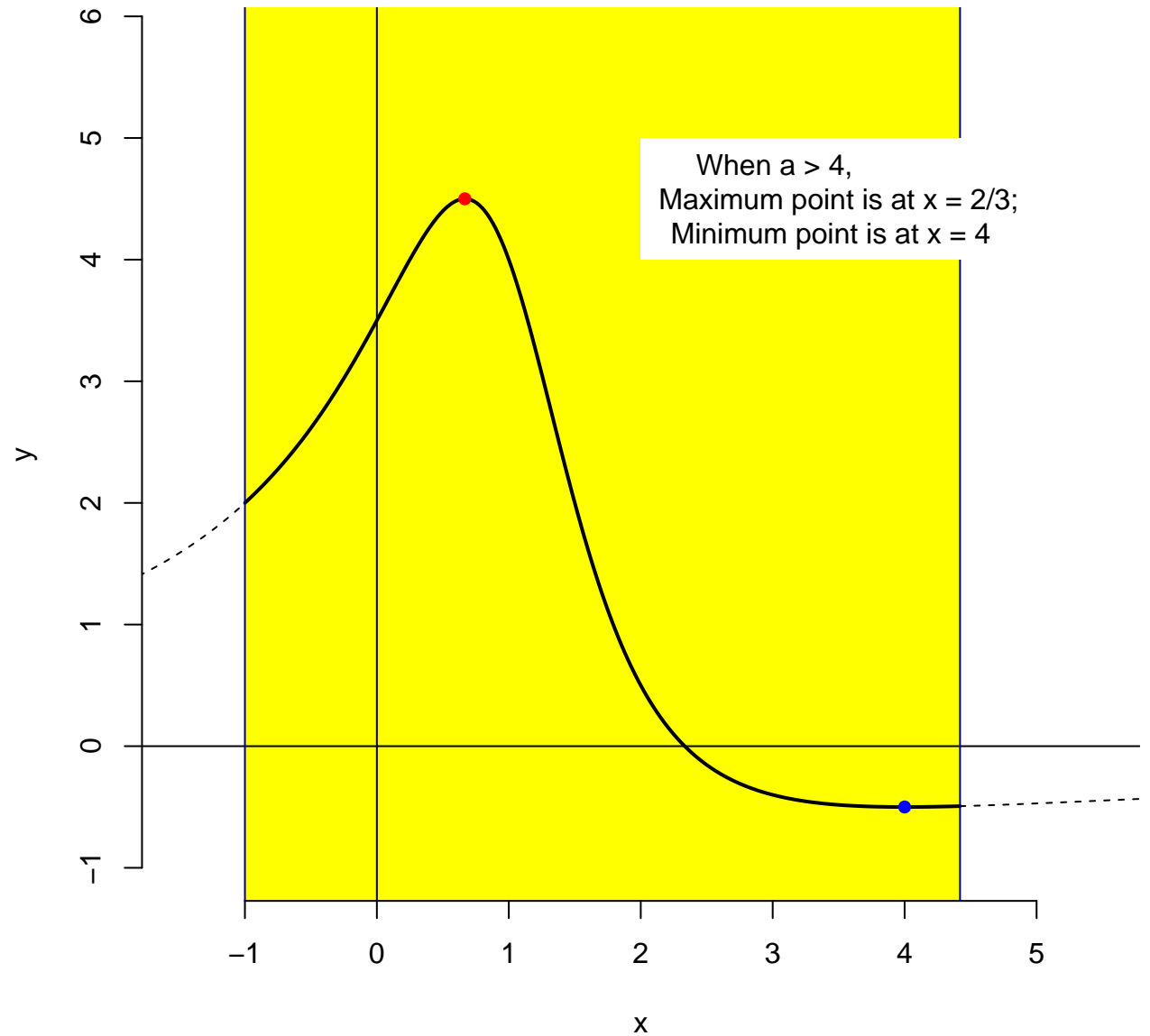


$a = 4.4$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

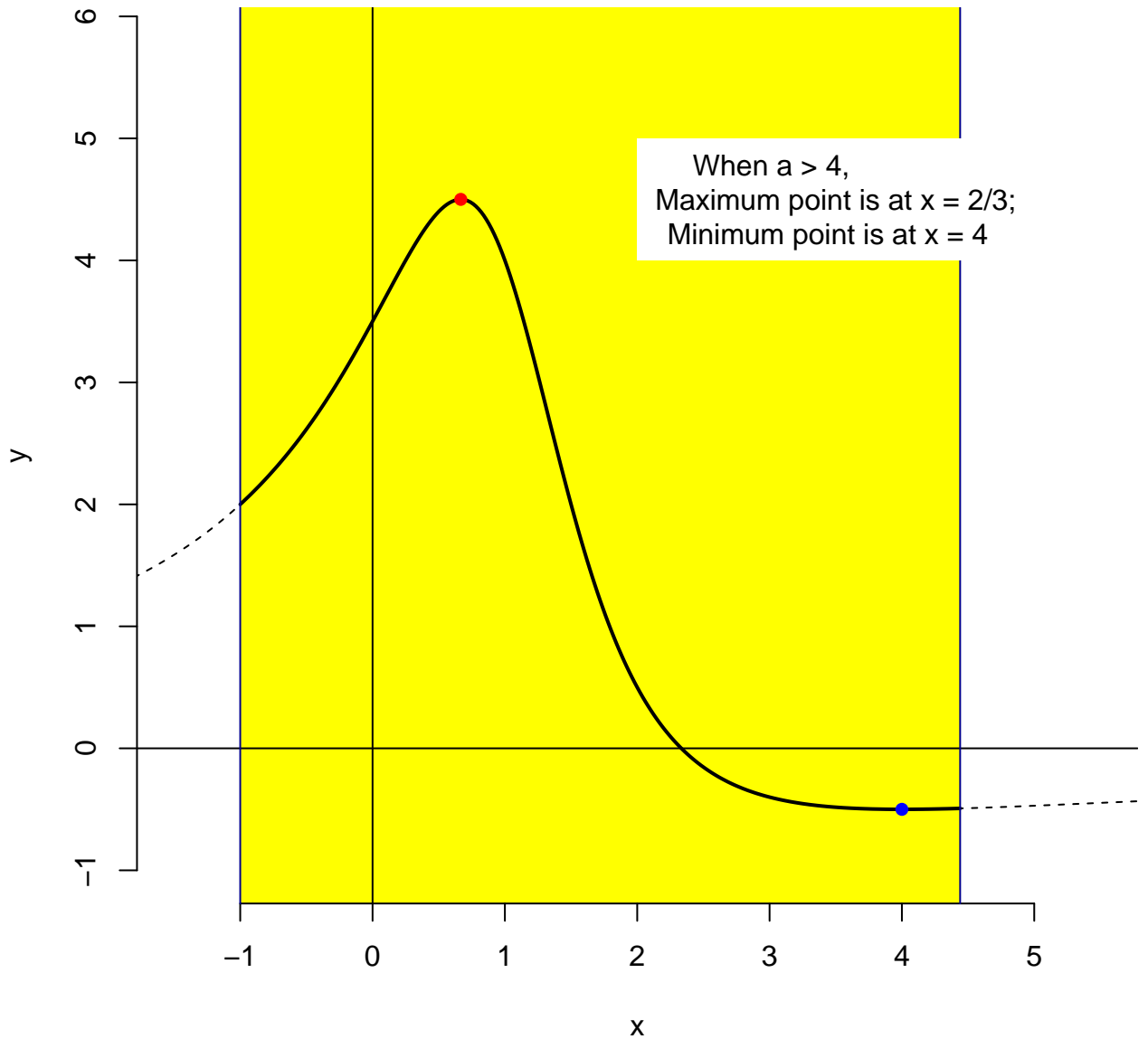


$a = 4.42$



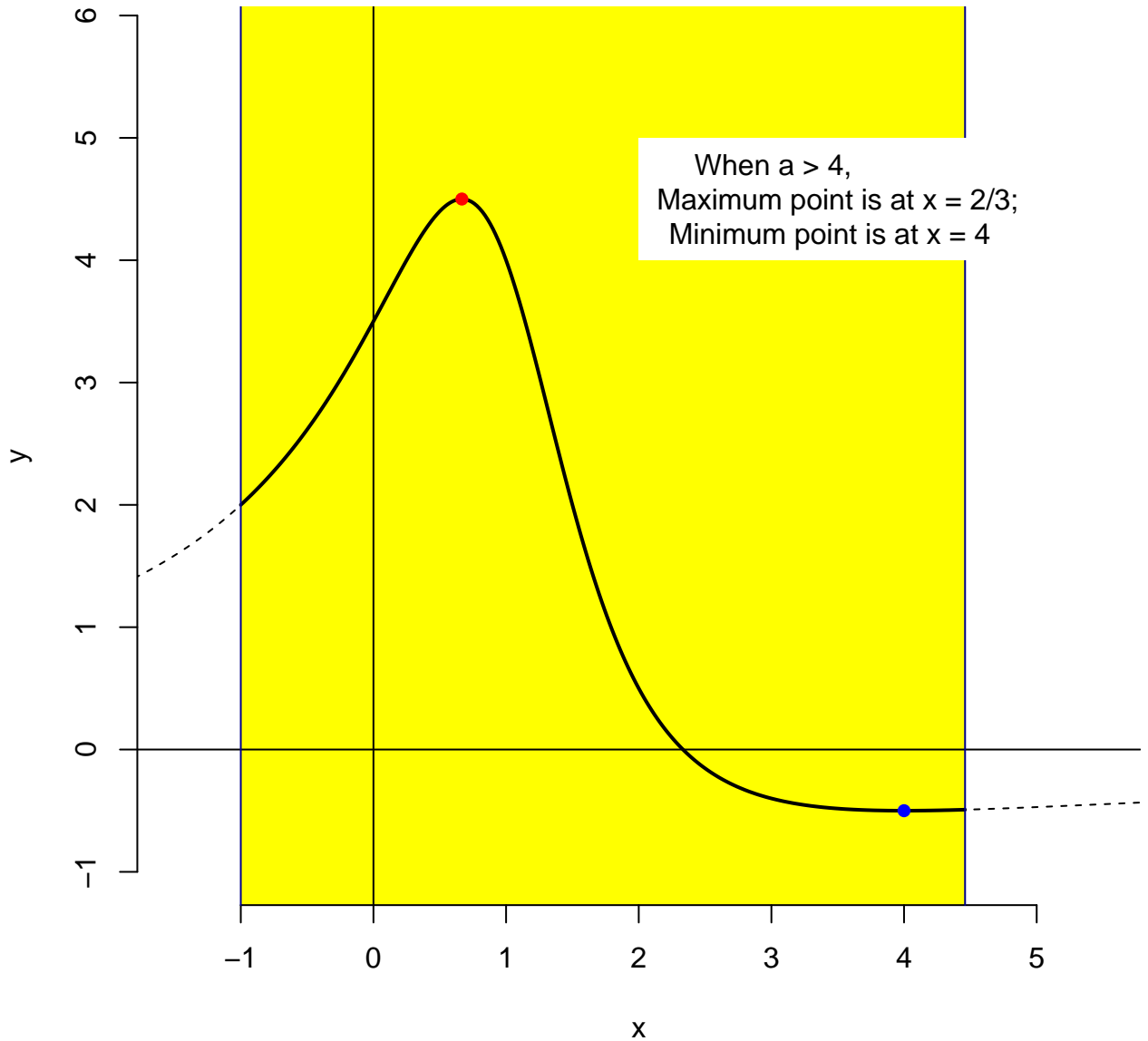
$$a = 4.44$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$



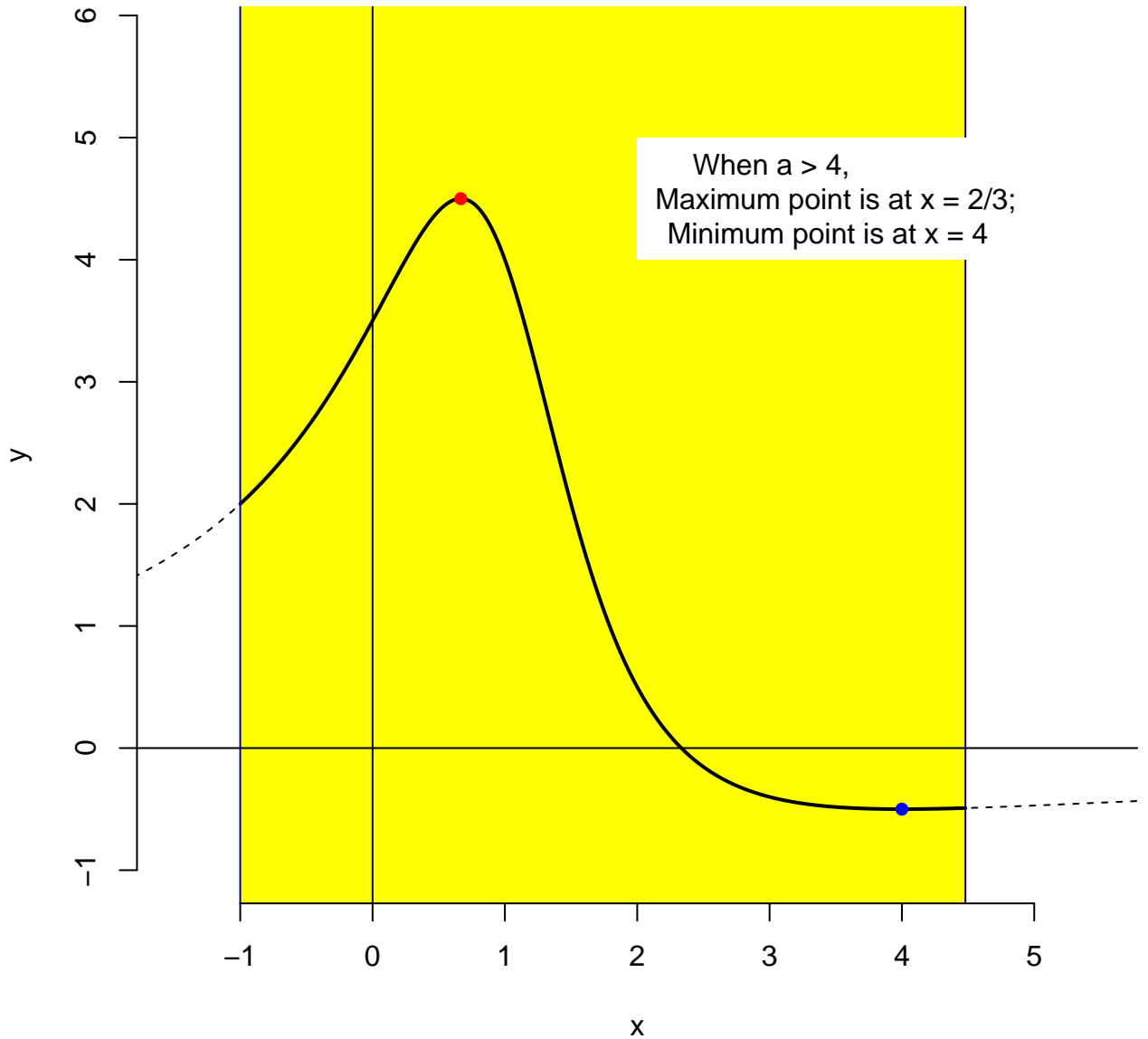
$$a = 4.46$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$



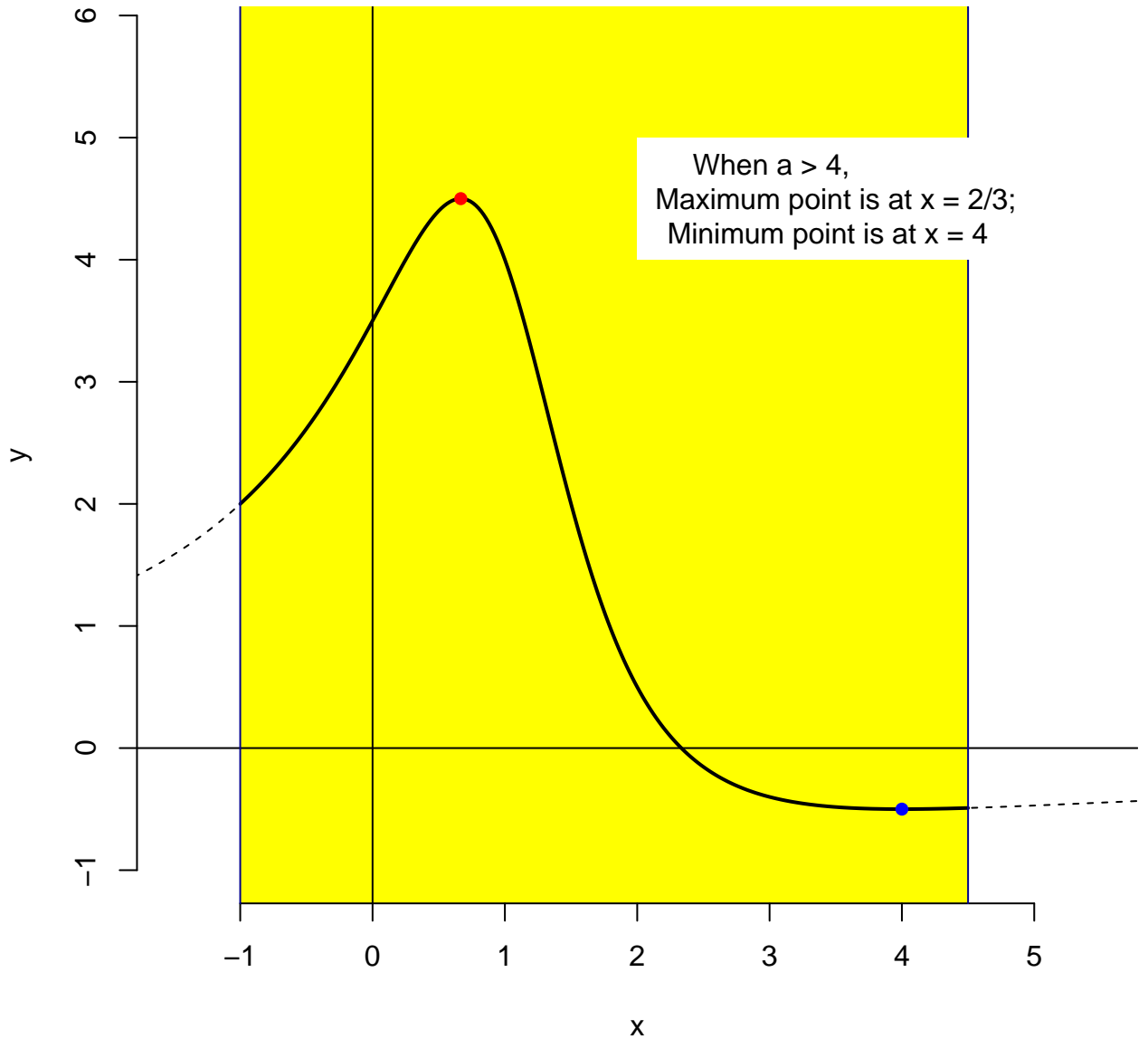
$$a = 4.48$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

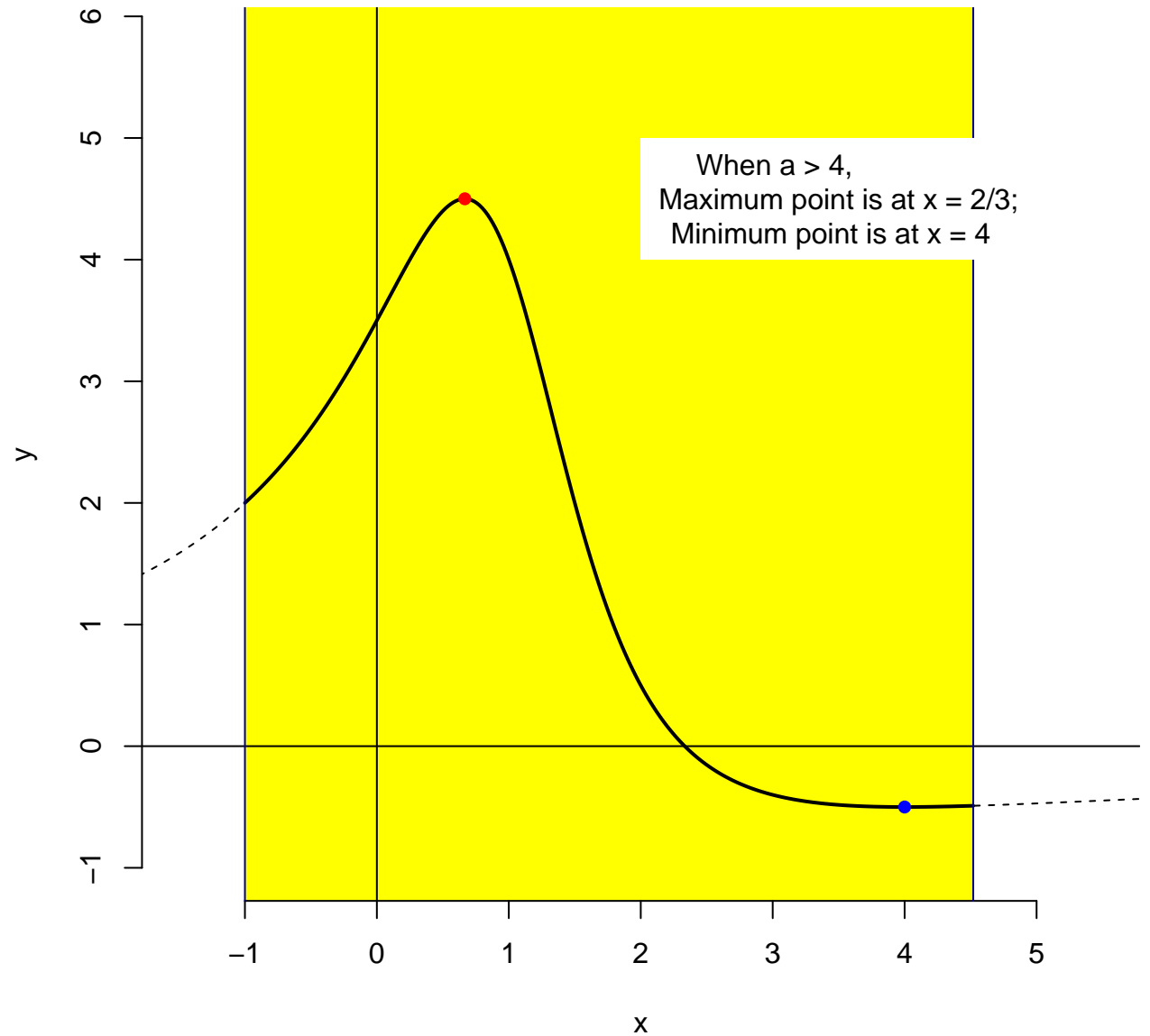


$a = 4.5$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

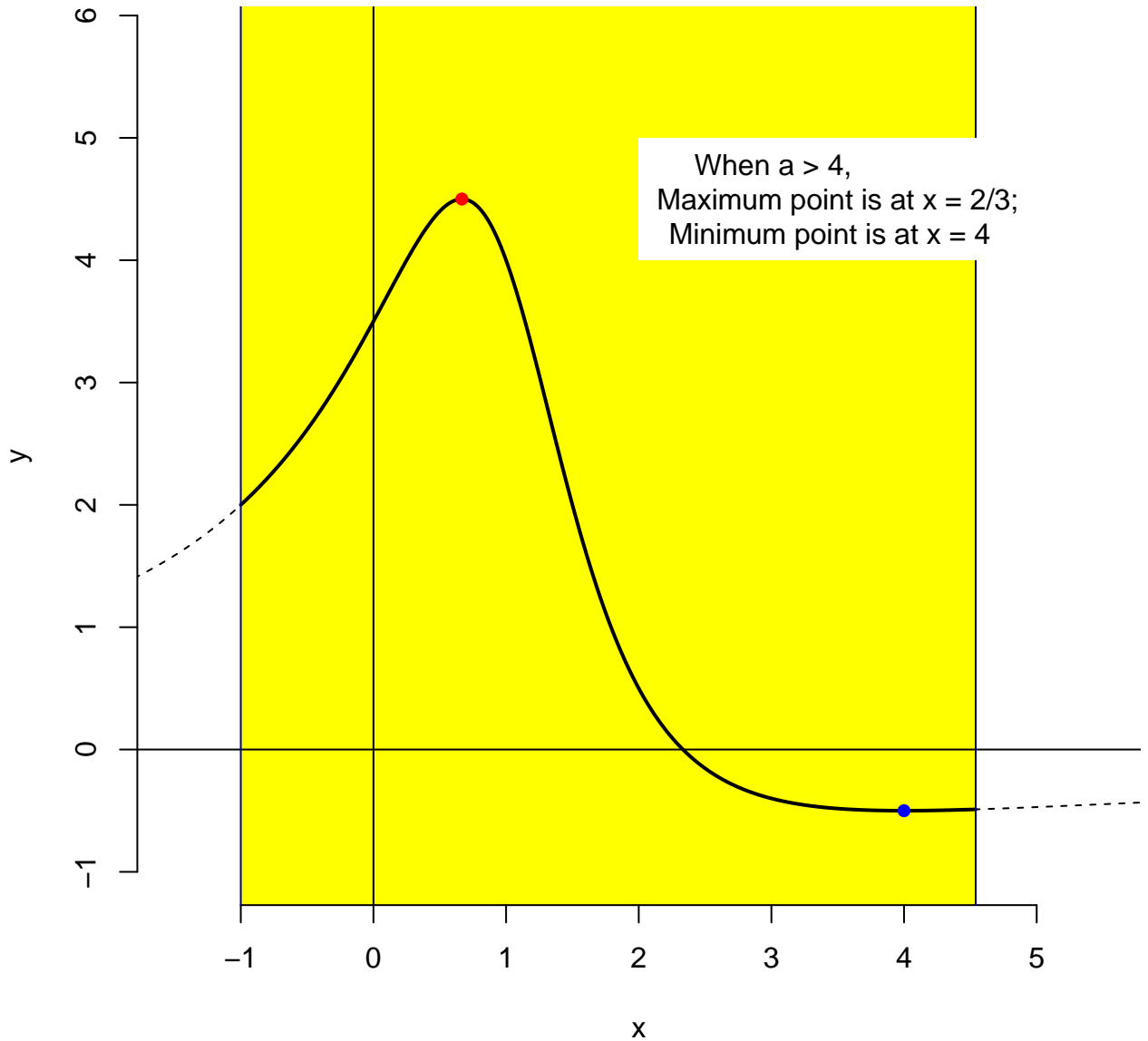


$a = 4.52$



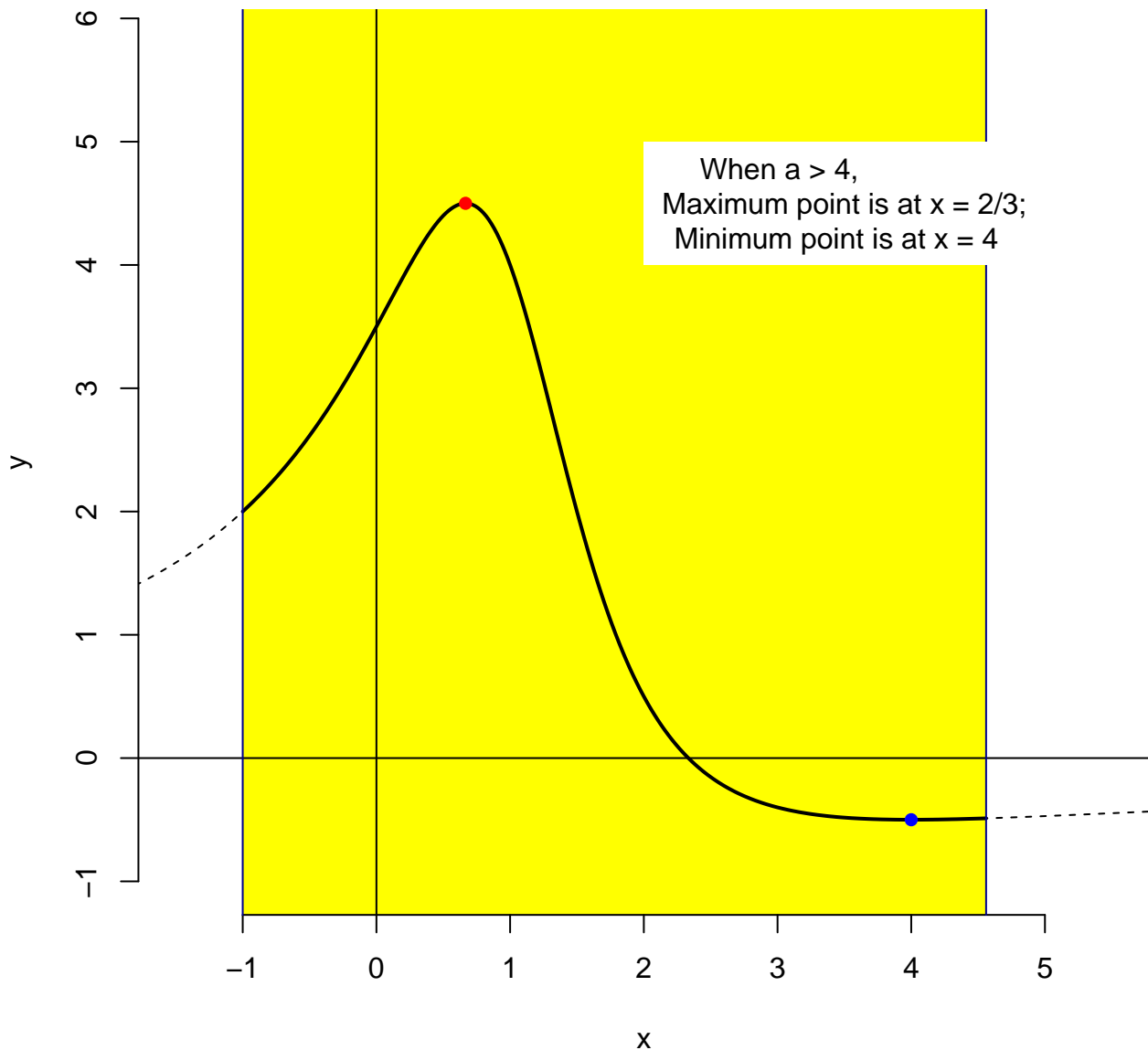
$$a = 4.54$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

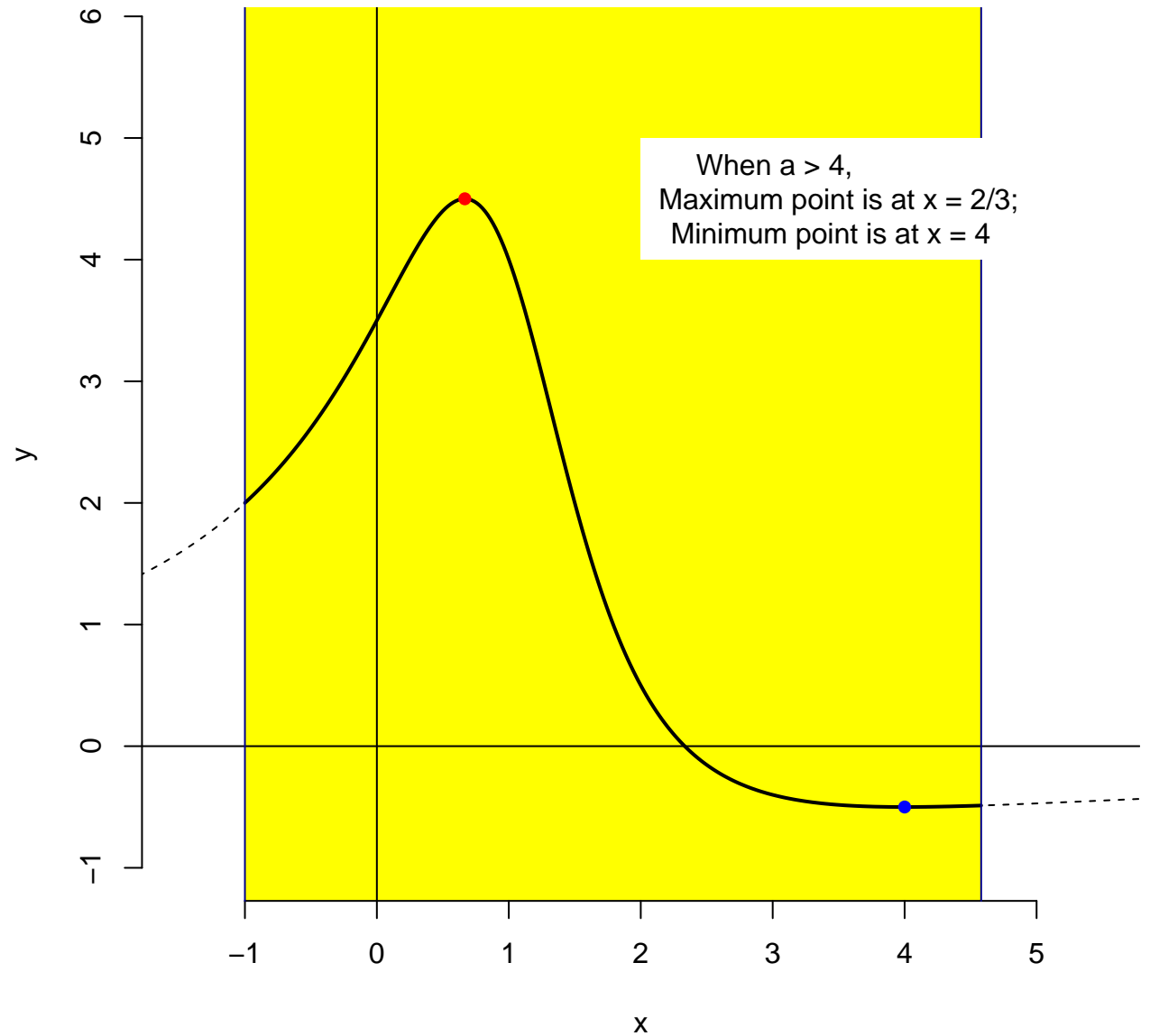


$$a = 4.56$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

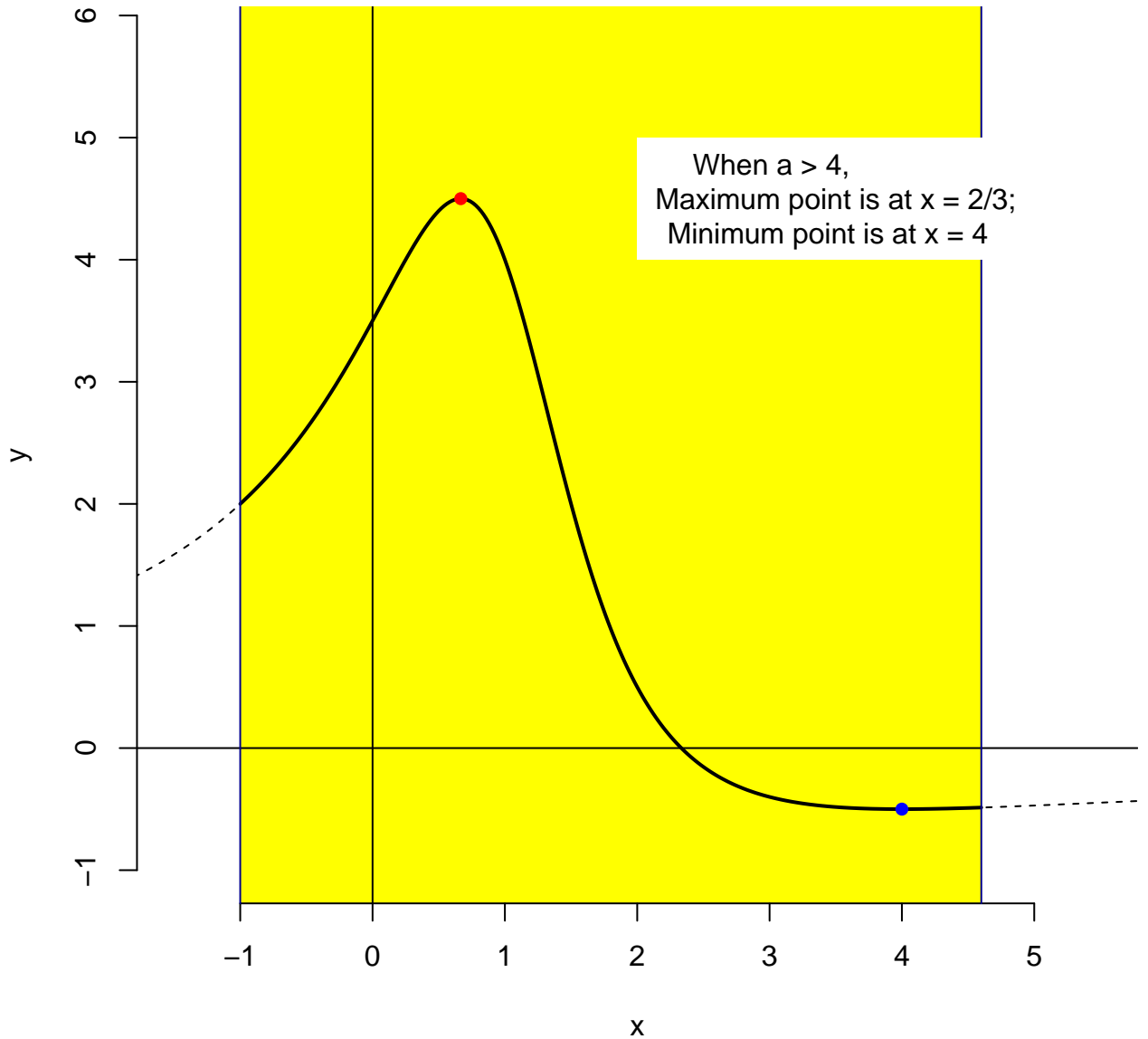


$a = 4.58$



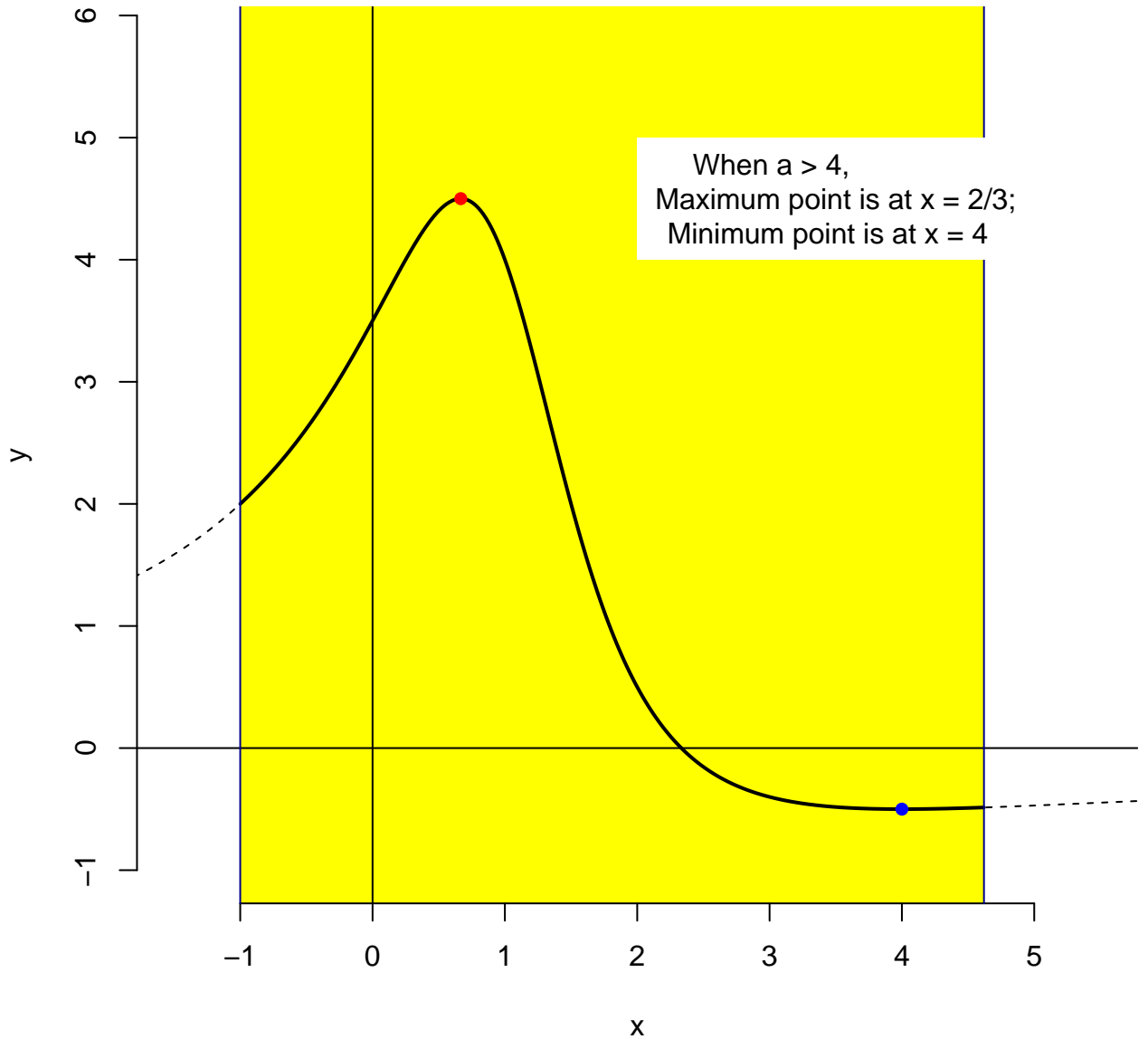
$a = 4.6$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$



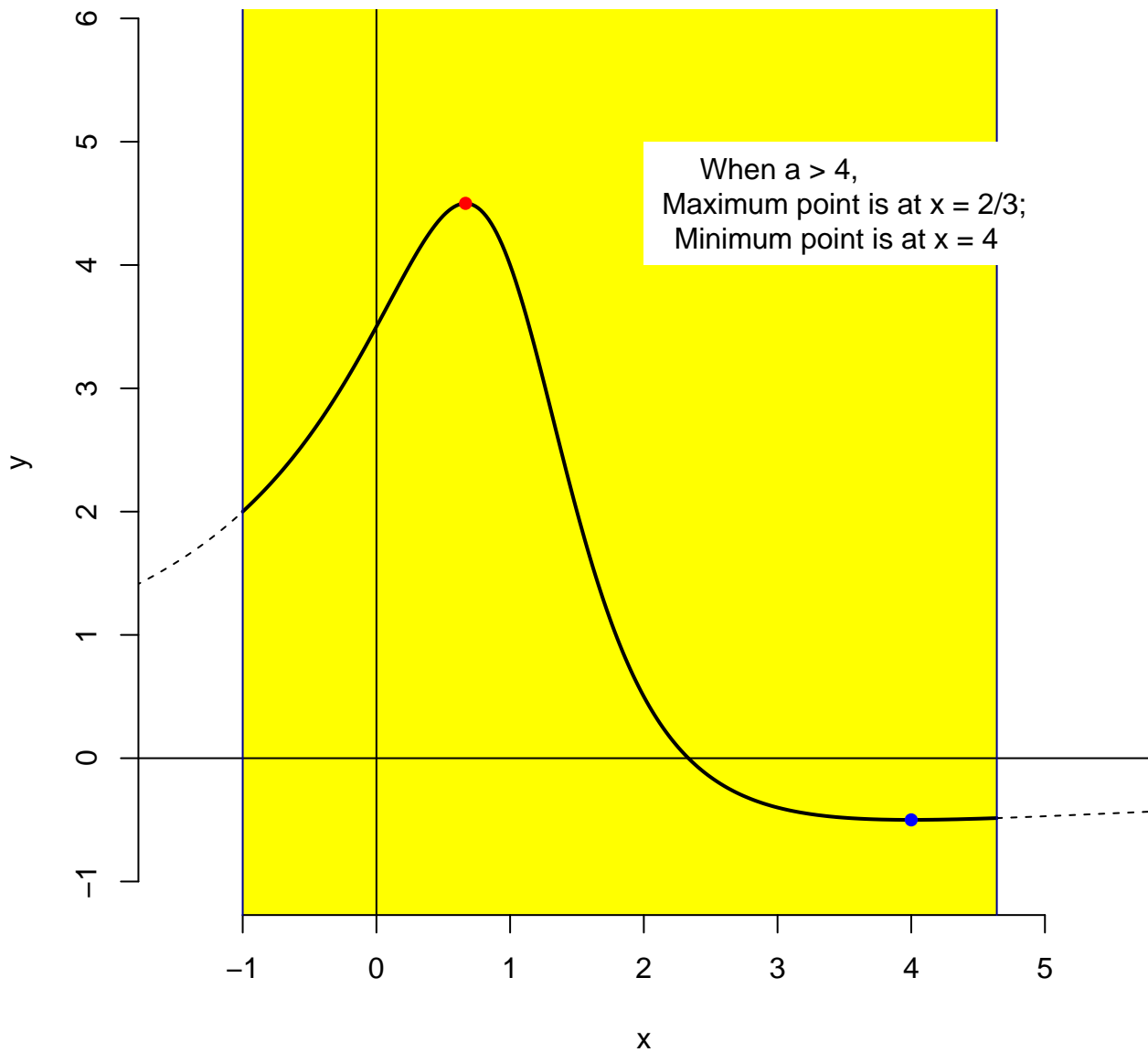
$$a = 4.62$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

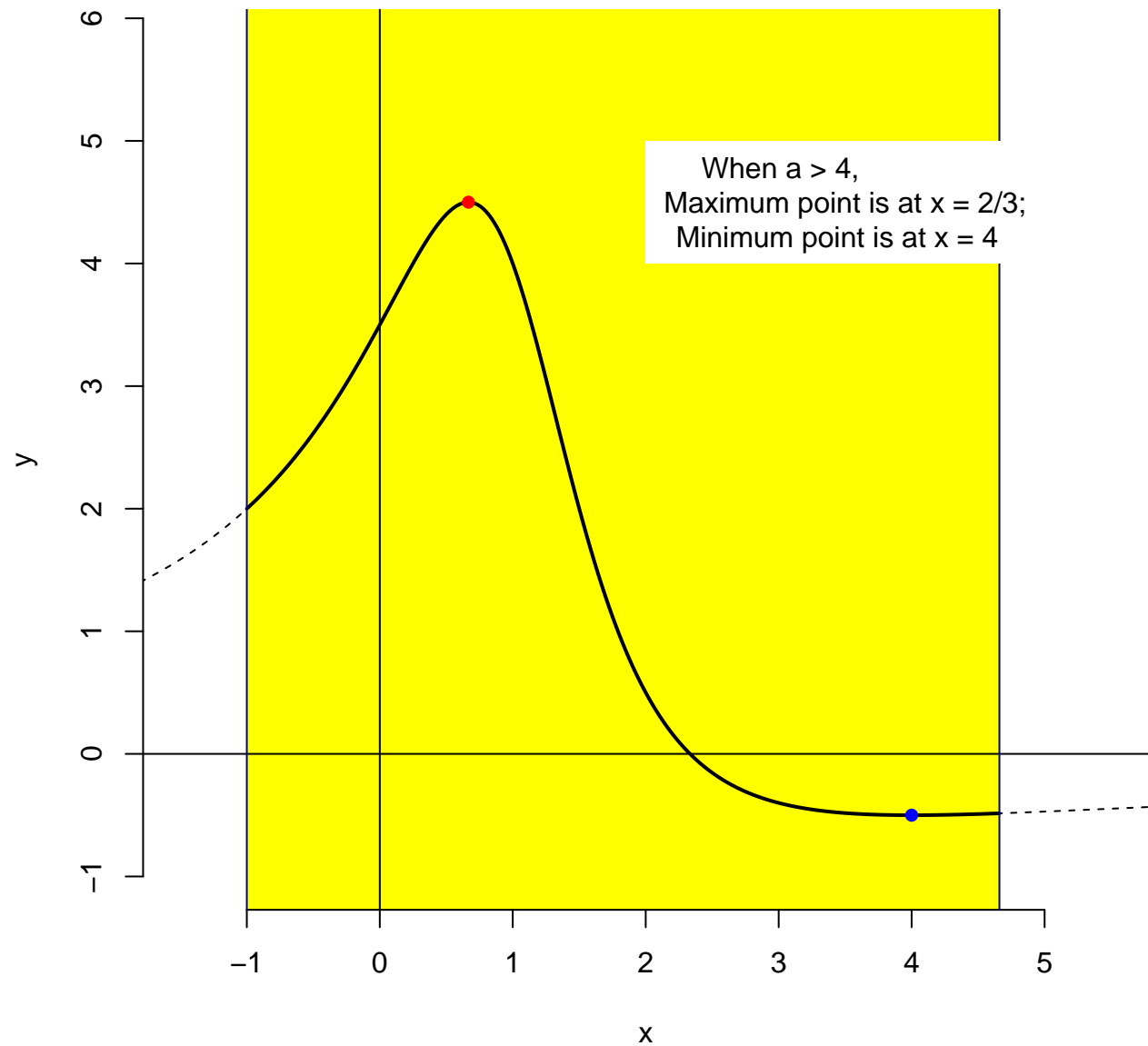


$$a = 4.64$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

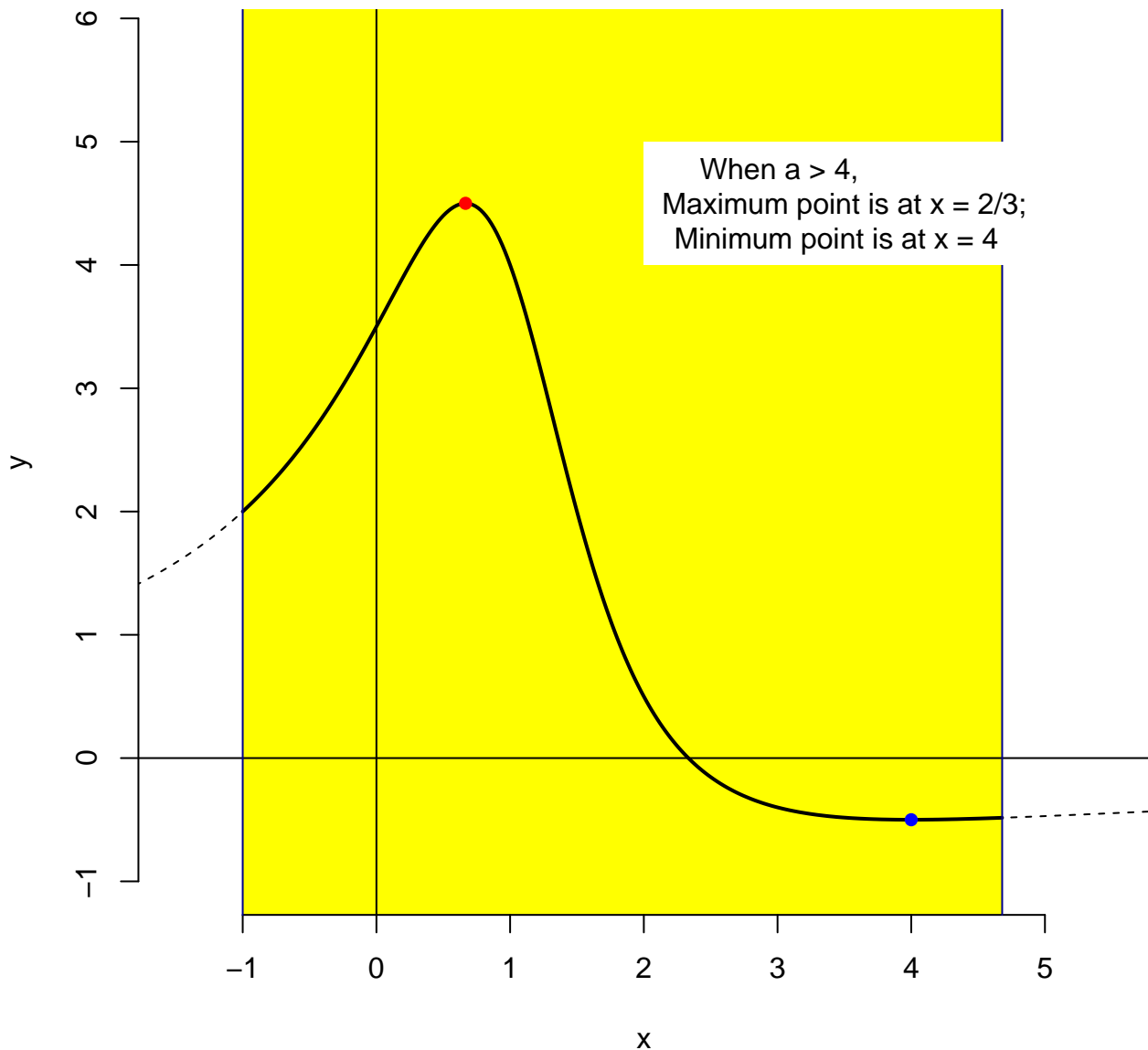


$a = 4.66$



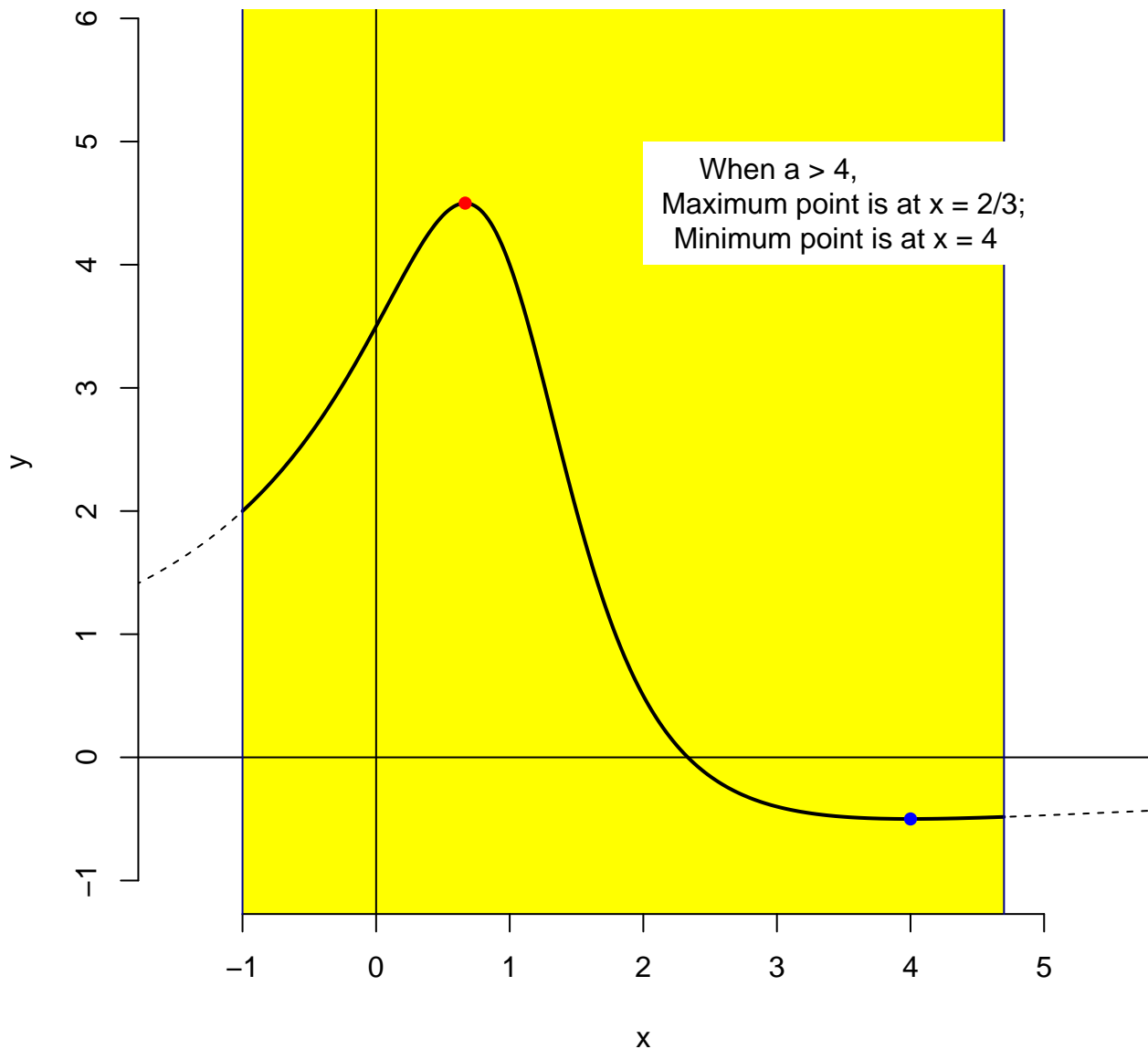
$$a = 4.68$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$



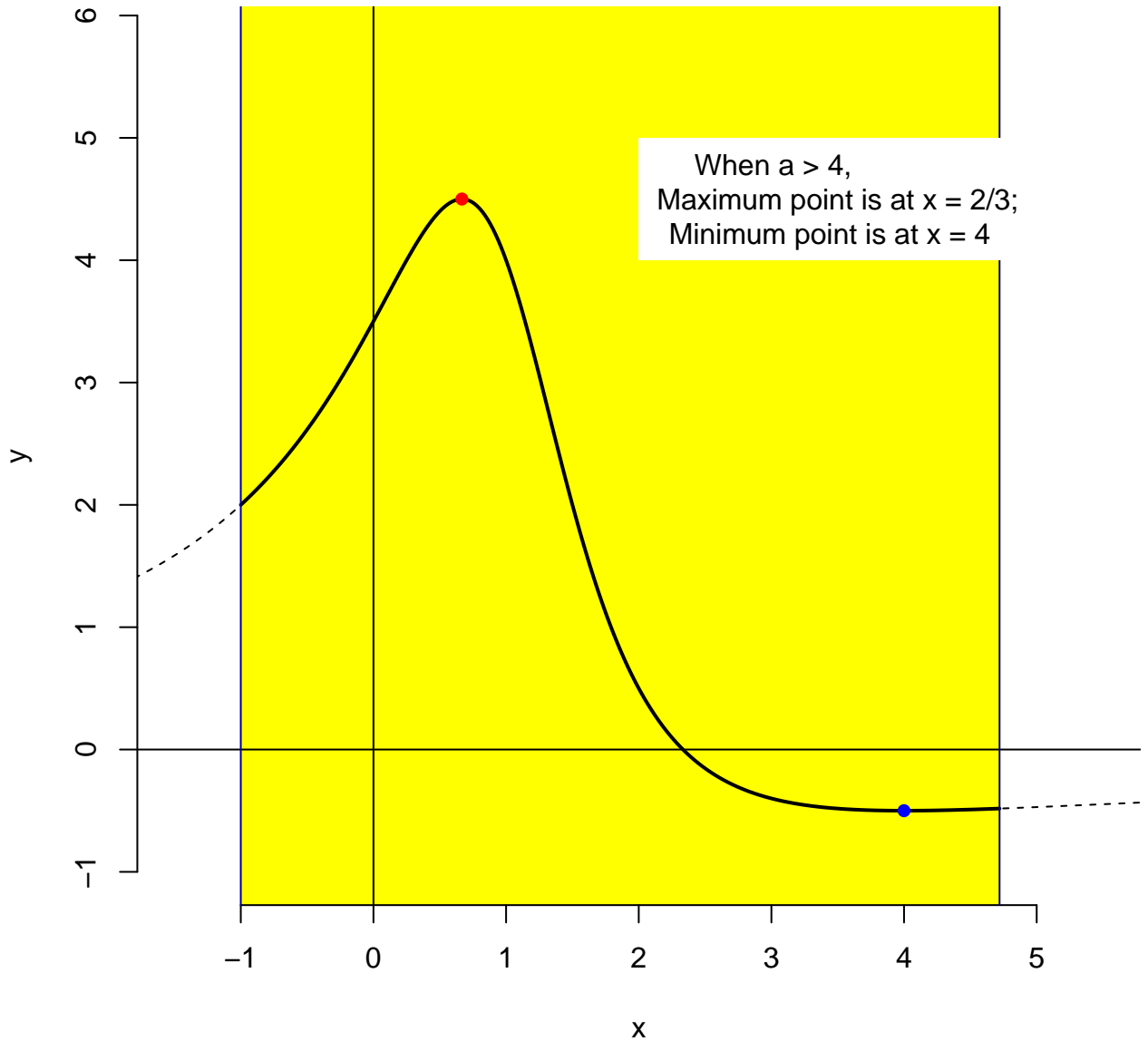
$a = 4.7$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

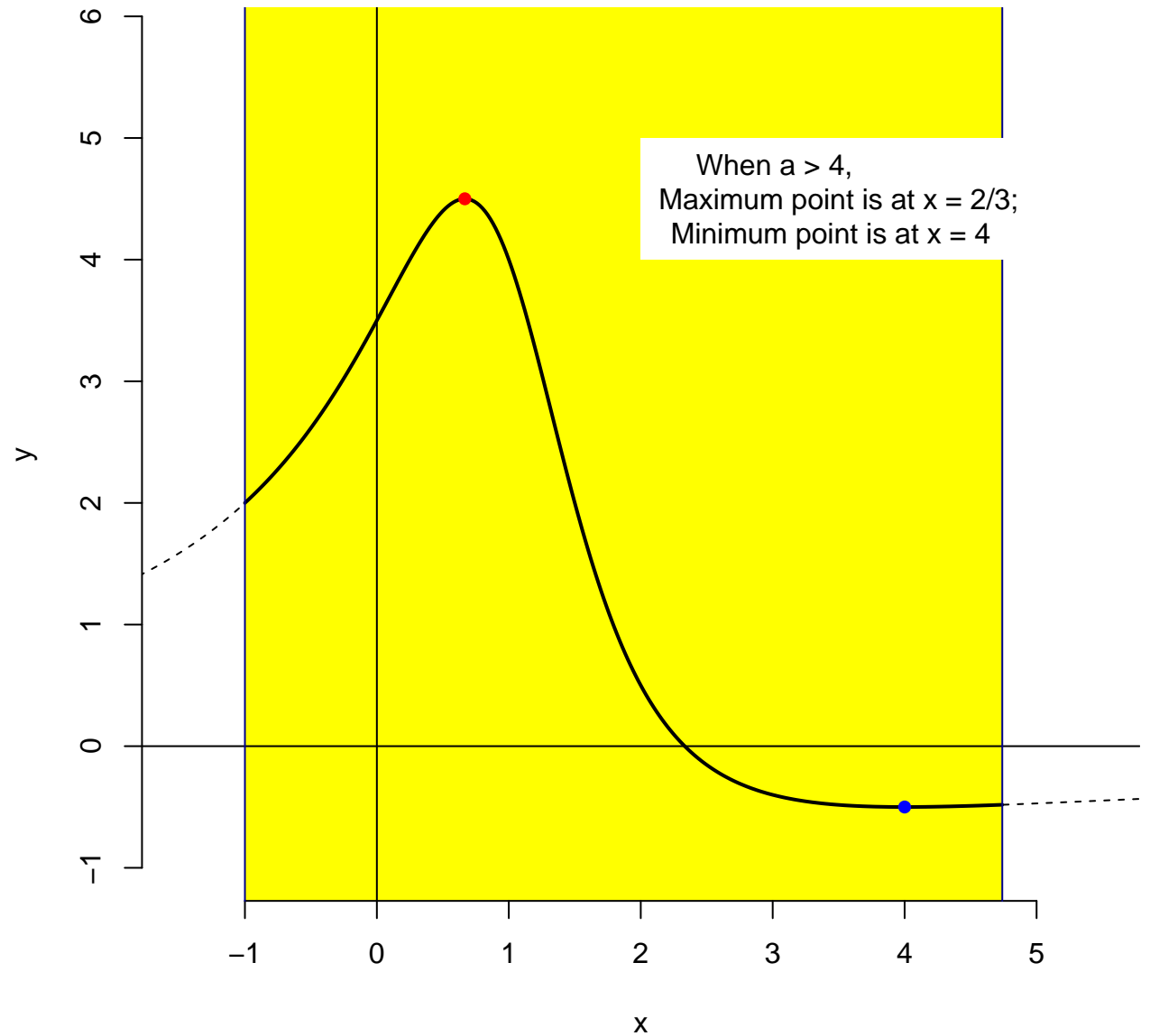


$$a = 4.72$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

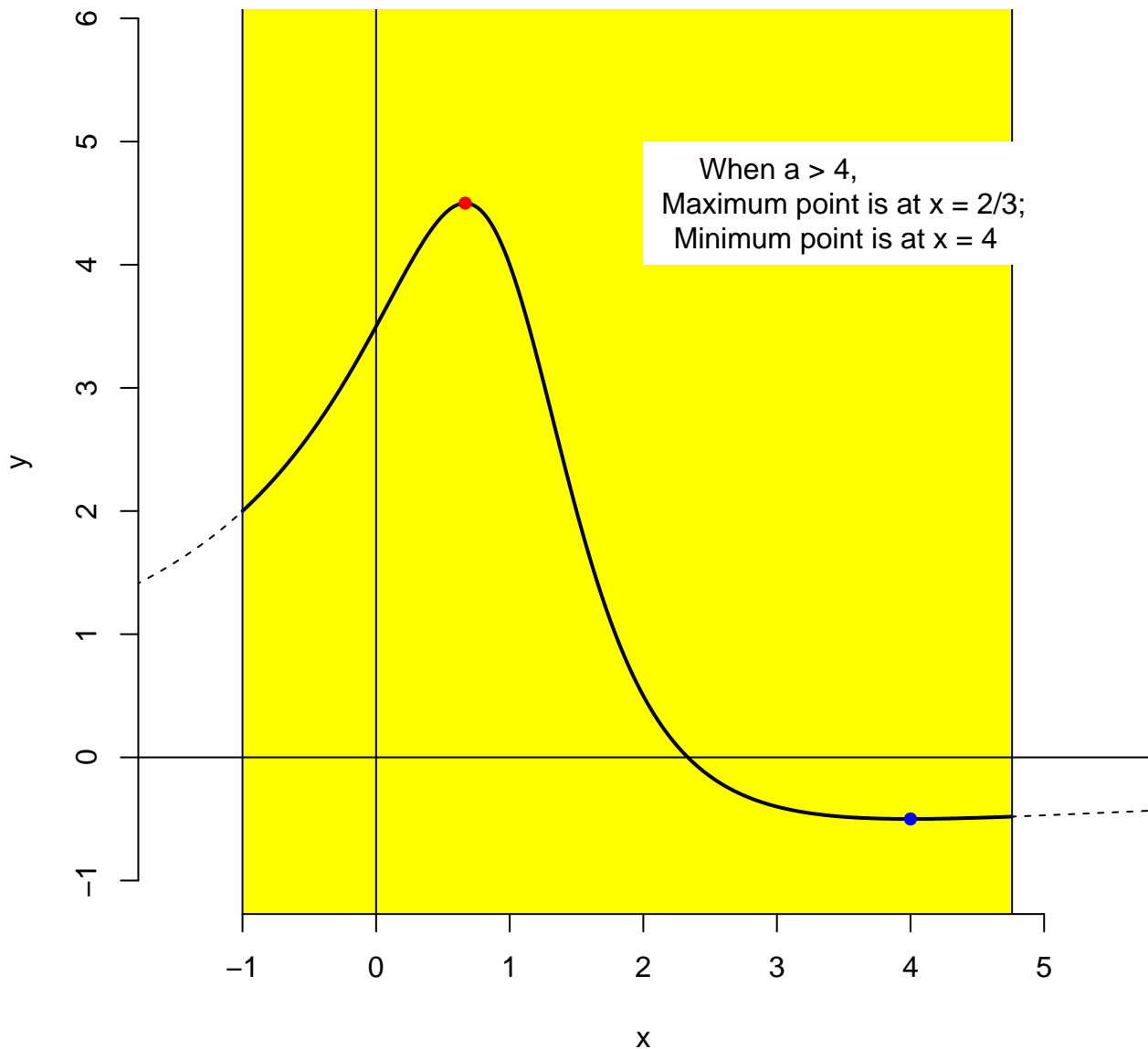


$a = 4.74$



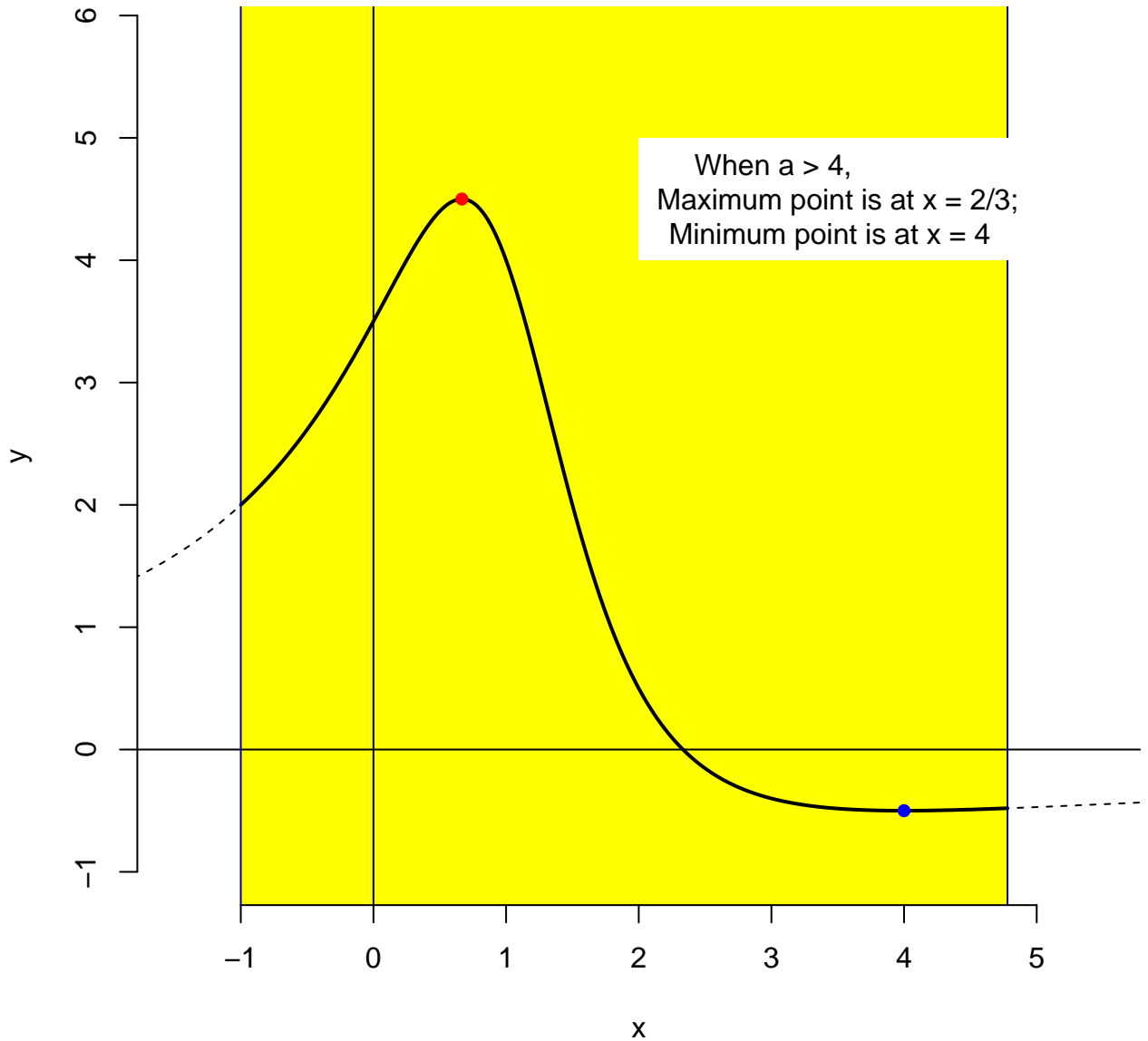
$a = 4.76$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

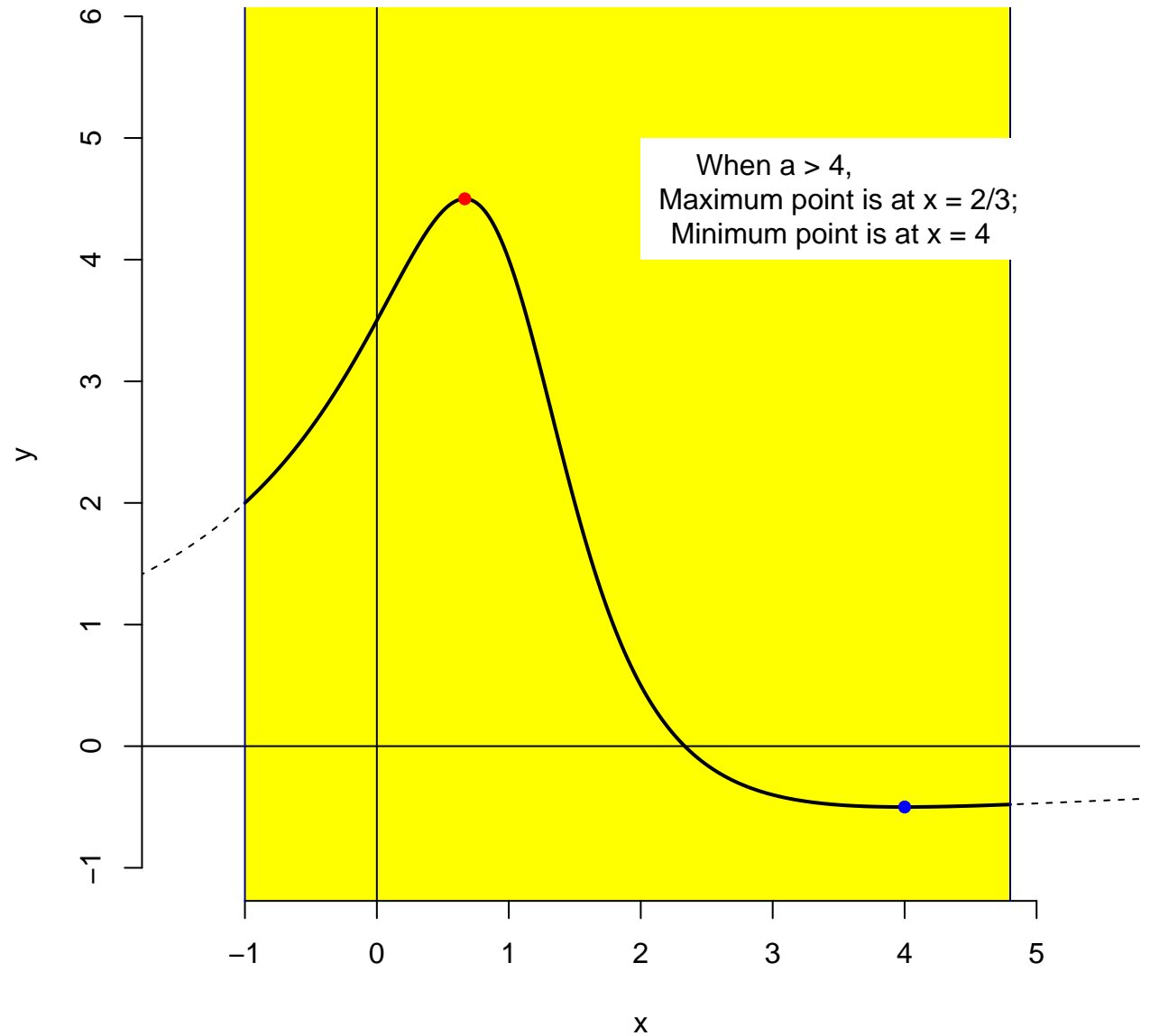


$$a = 4.78$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

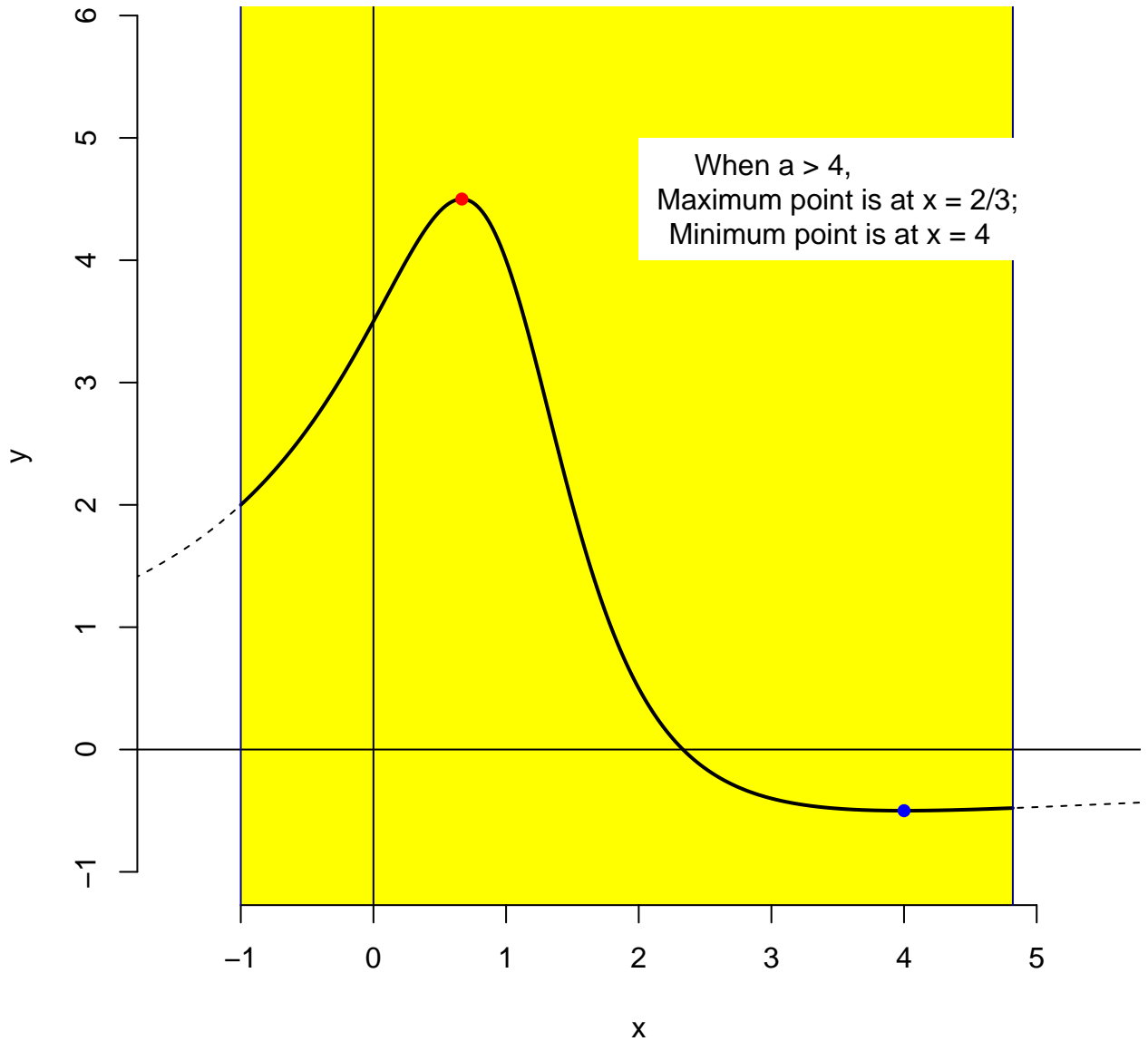


$$a = 4.8$$



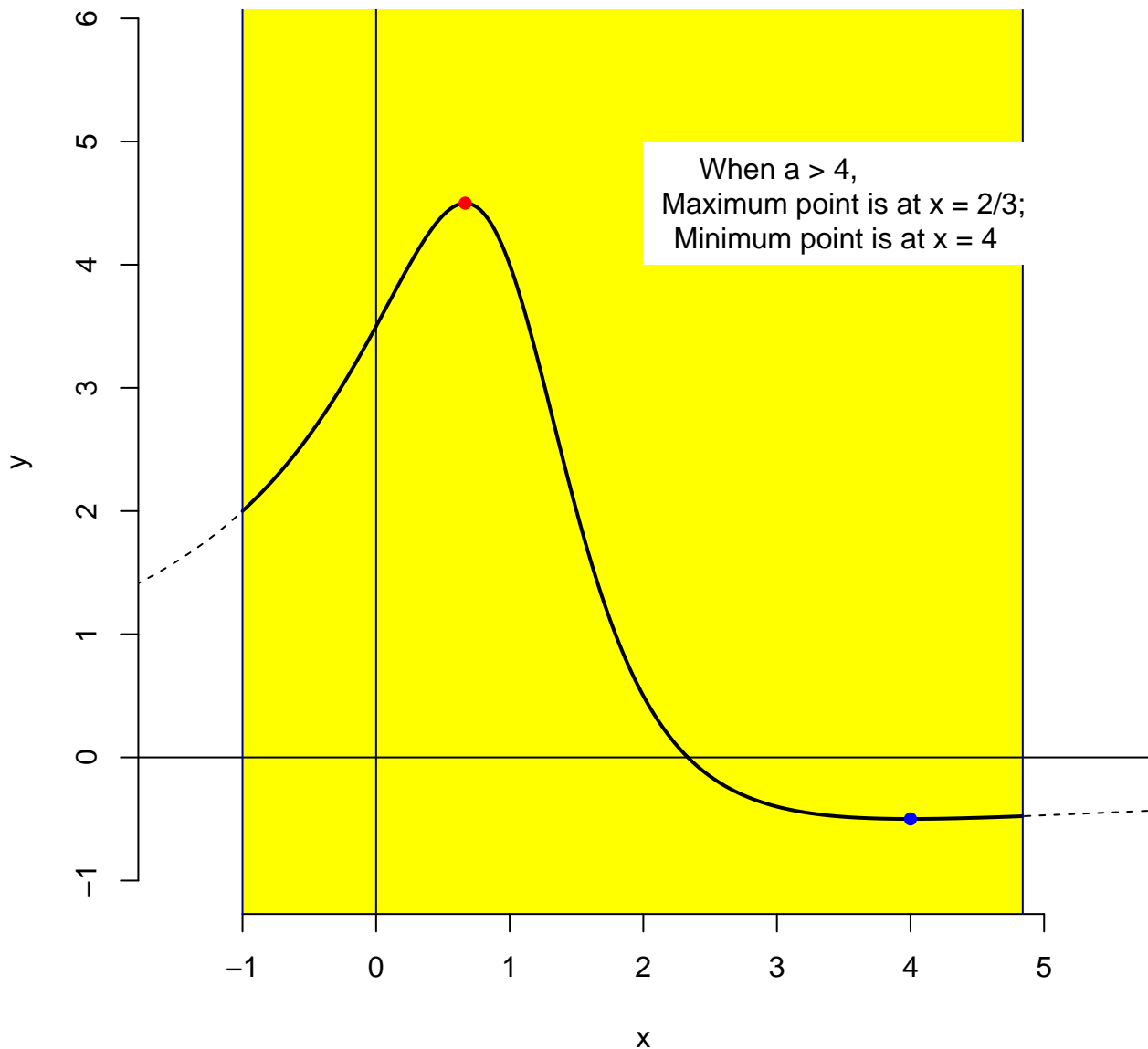
$$a = 4.82$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

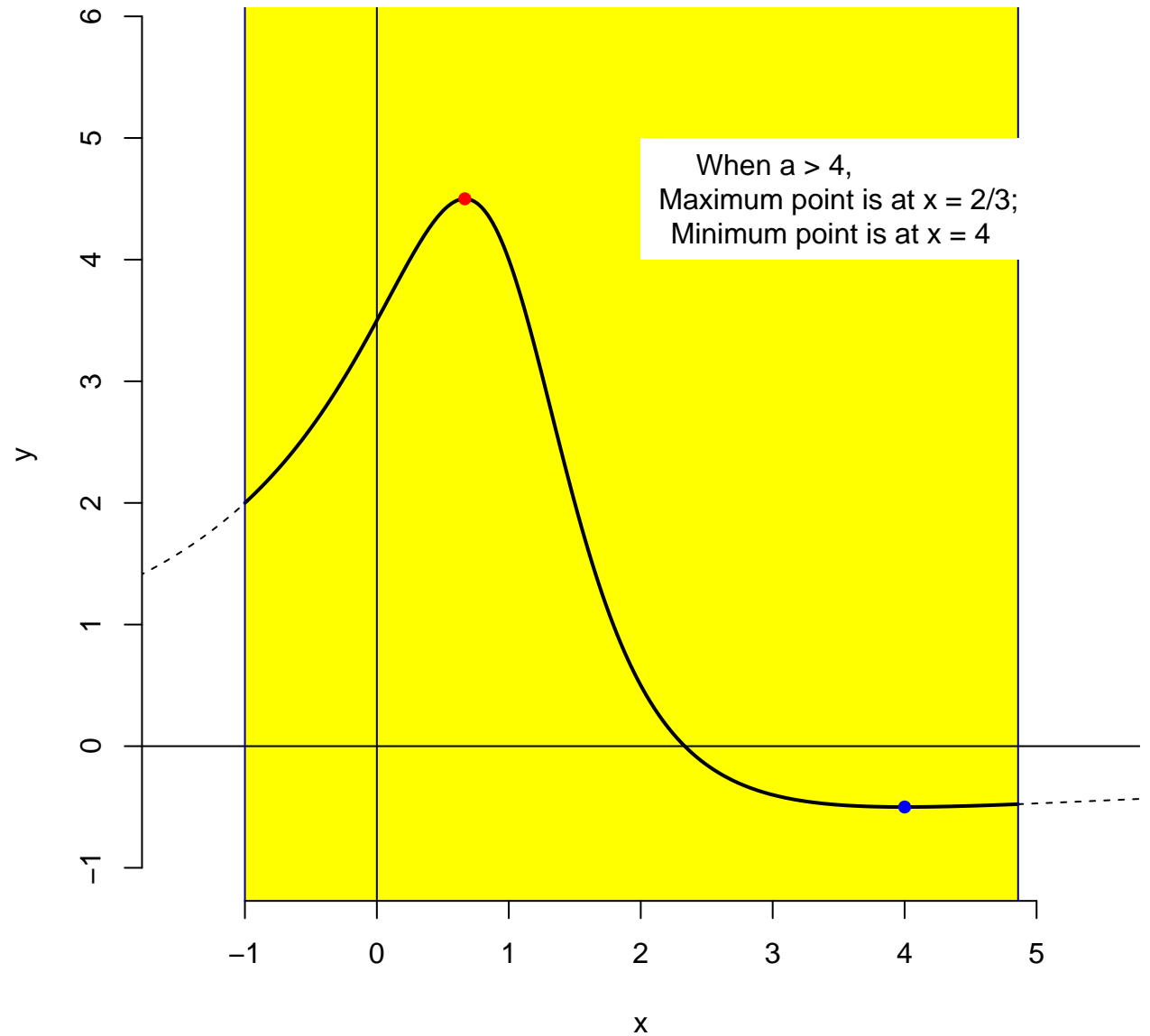


$$a = 4.84$$

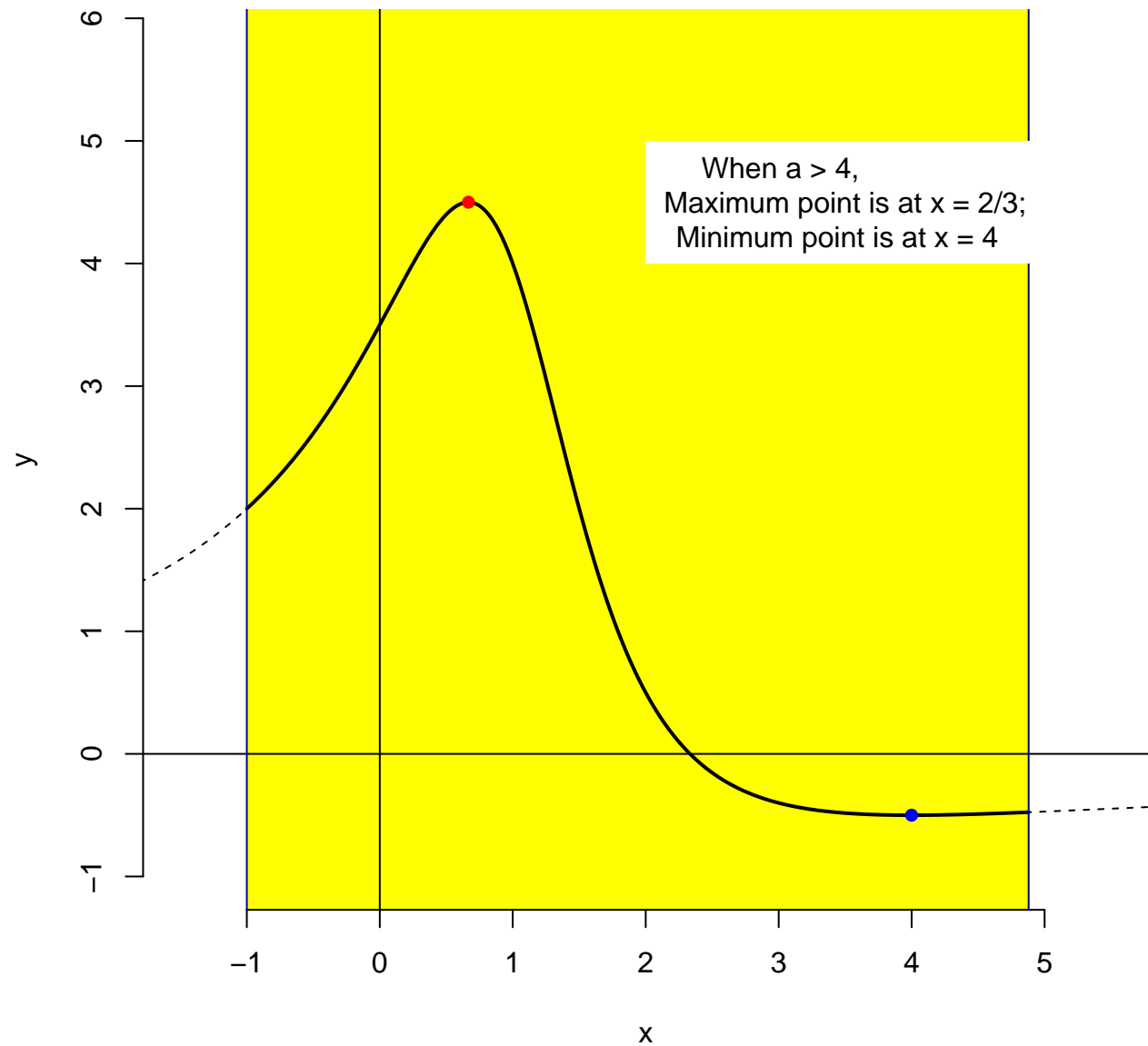
When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$



$a = 4.86$

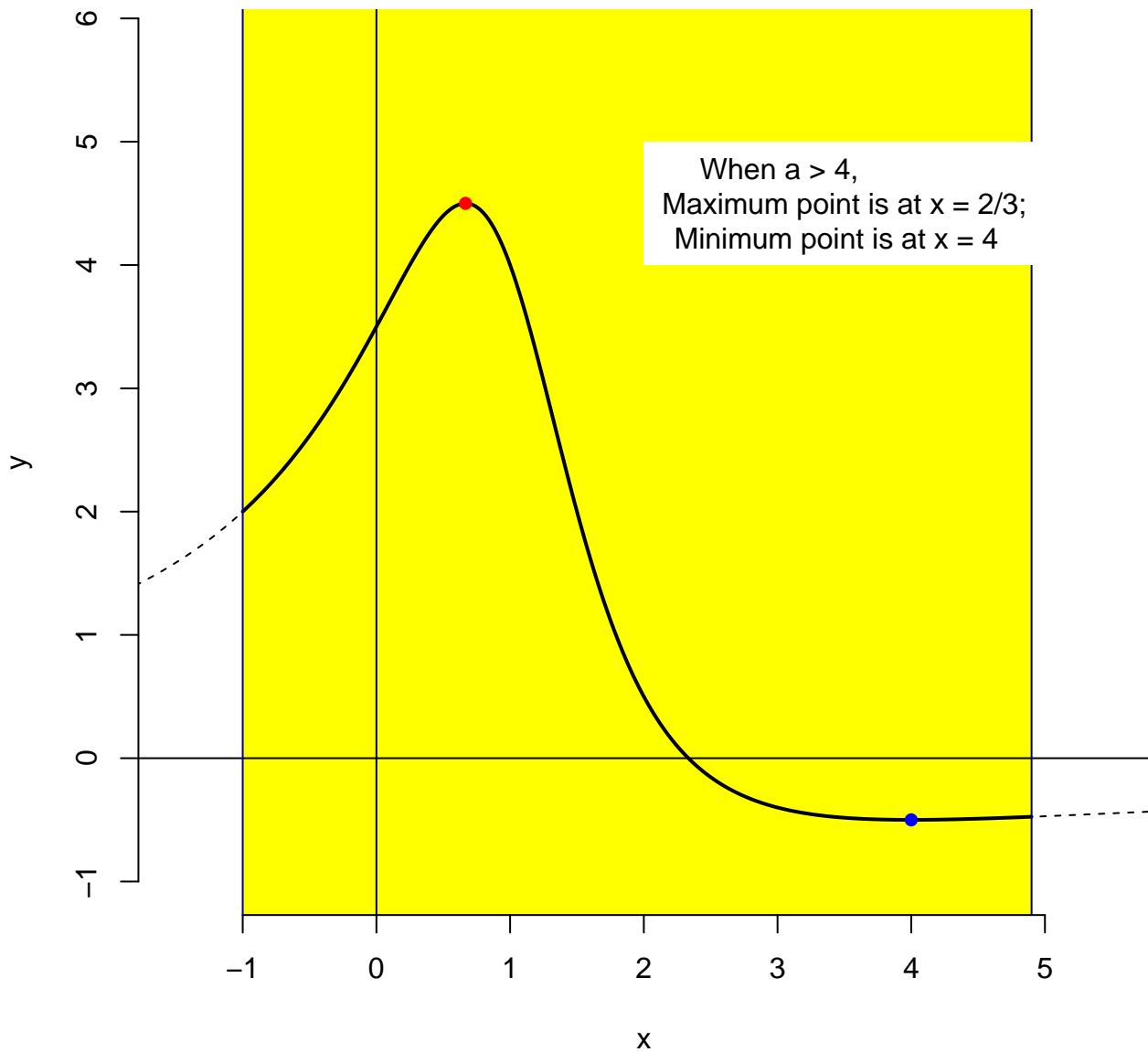


$a = 4.88$

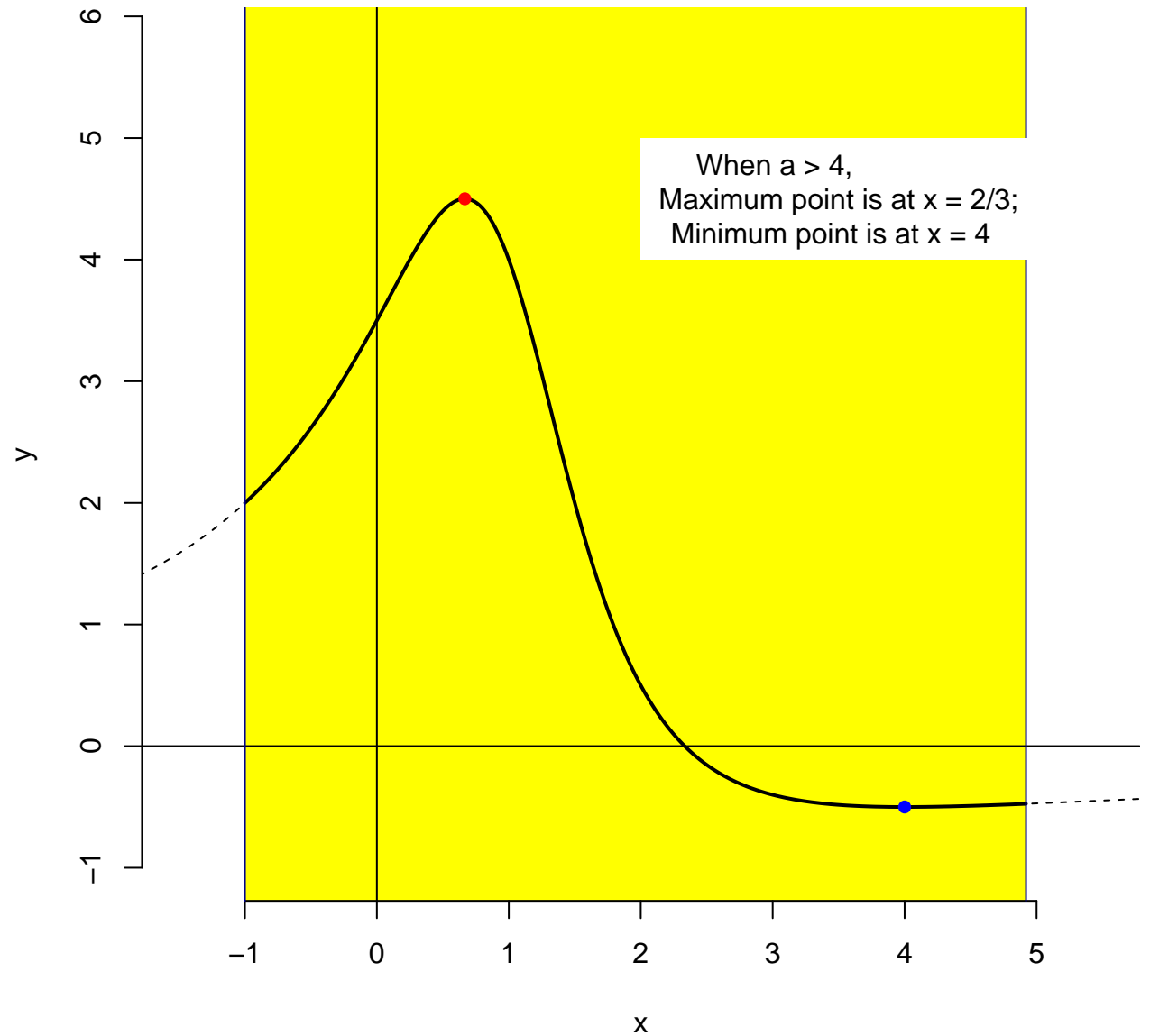


$a = 4.9$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

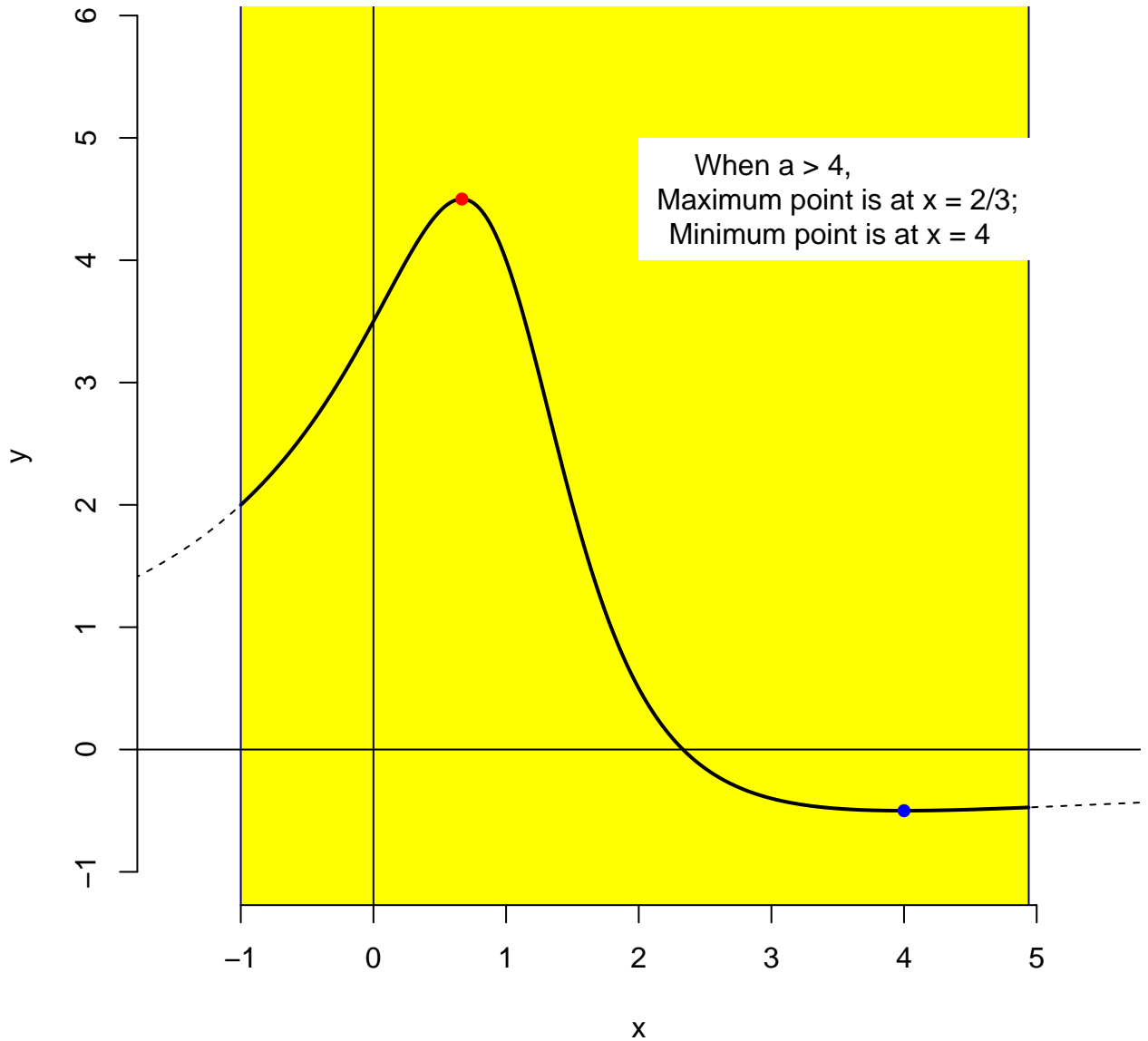


$a = 4.92$



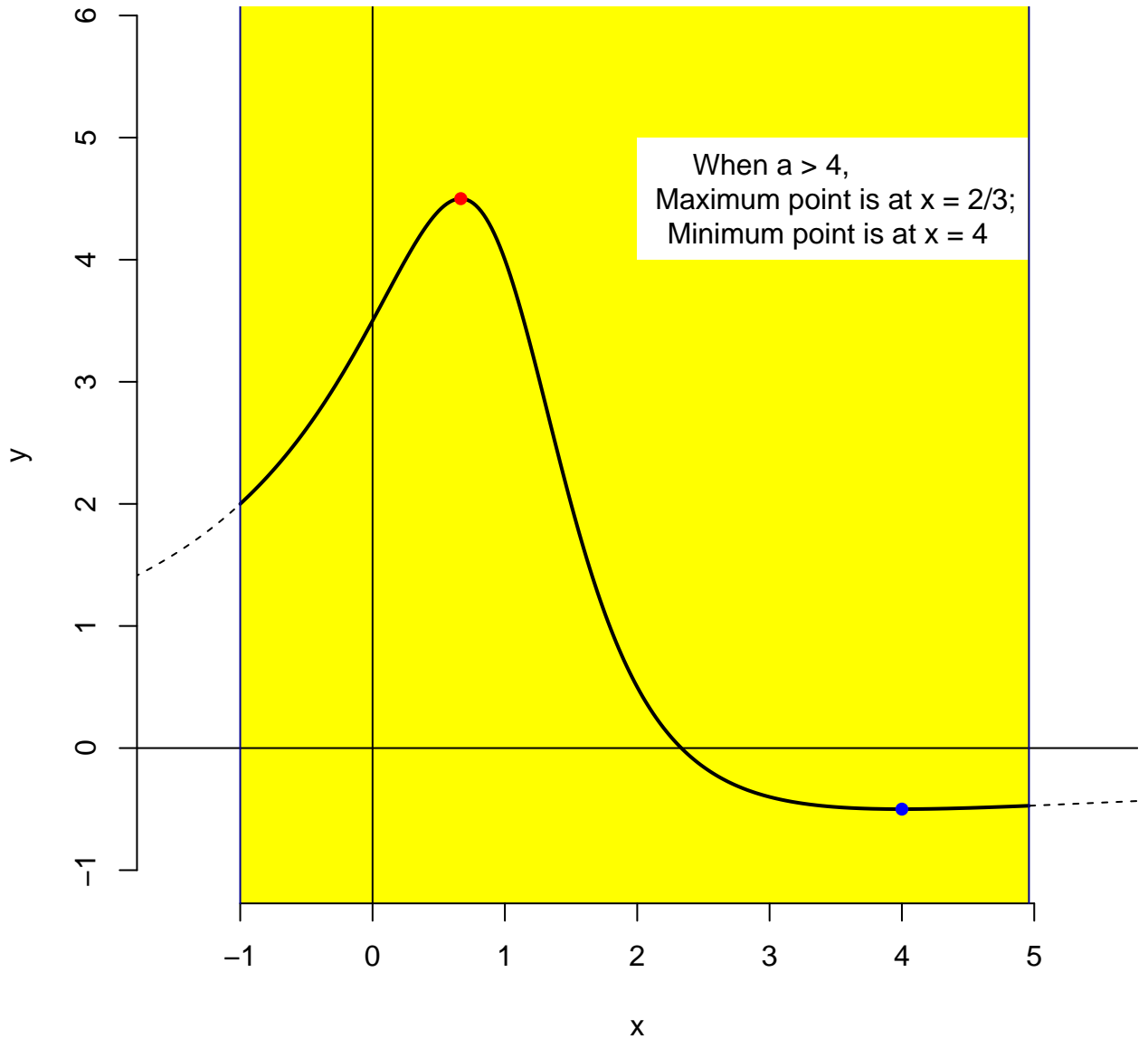
$$a = 4.94$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

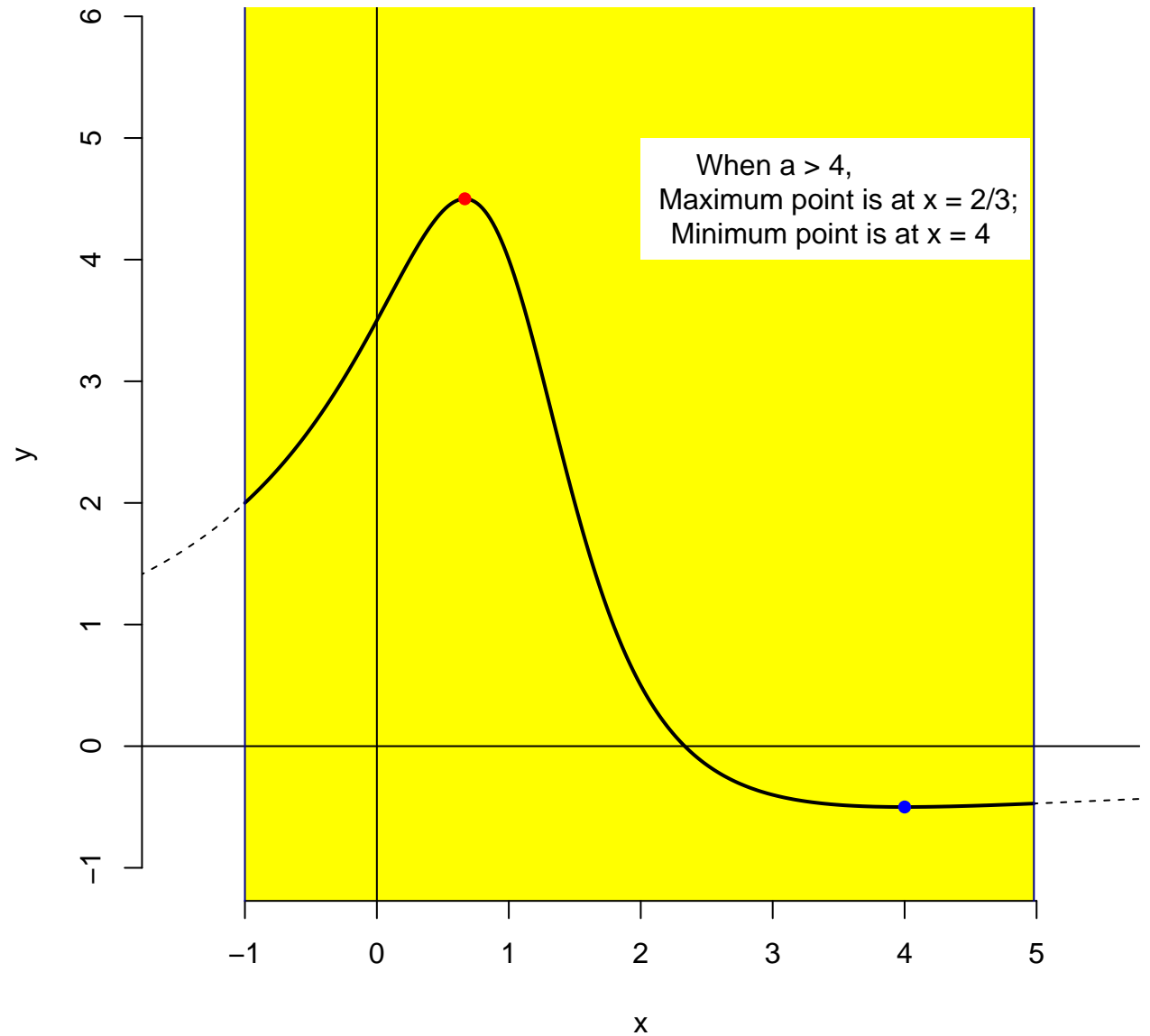


$$a = 4.96$$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$



$a = 4.98$



$a = 5$

When $a > 4$,
Maximum point is at $x = 2/3$;
Minimum point is at $x = 4$

