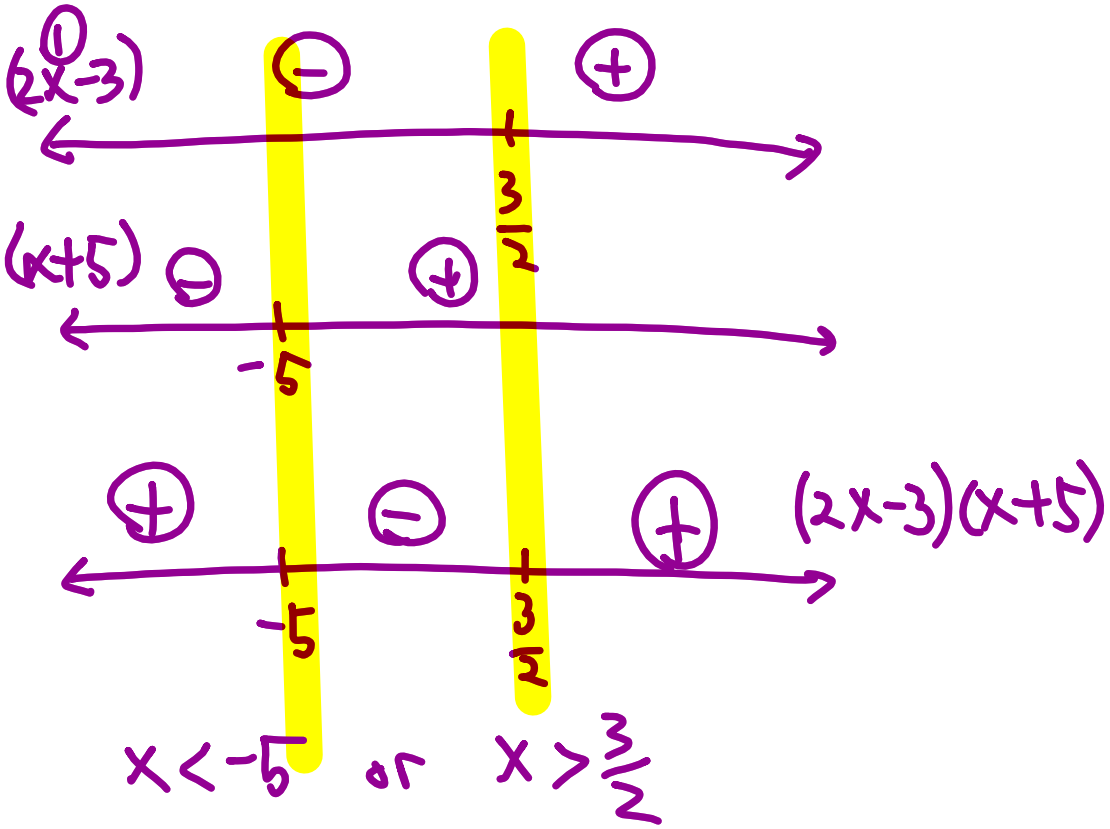
Evaluate

$2x-3>0$ $\qquad$ $x+5>0$

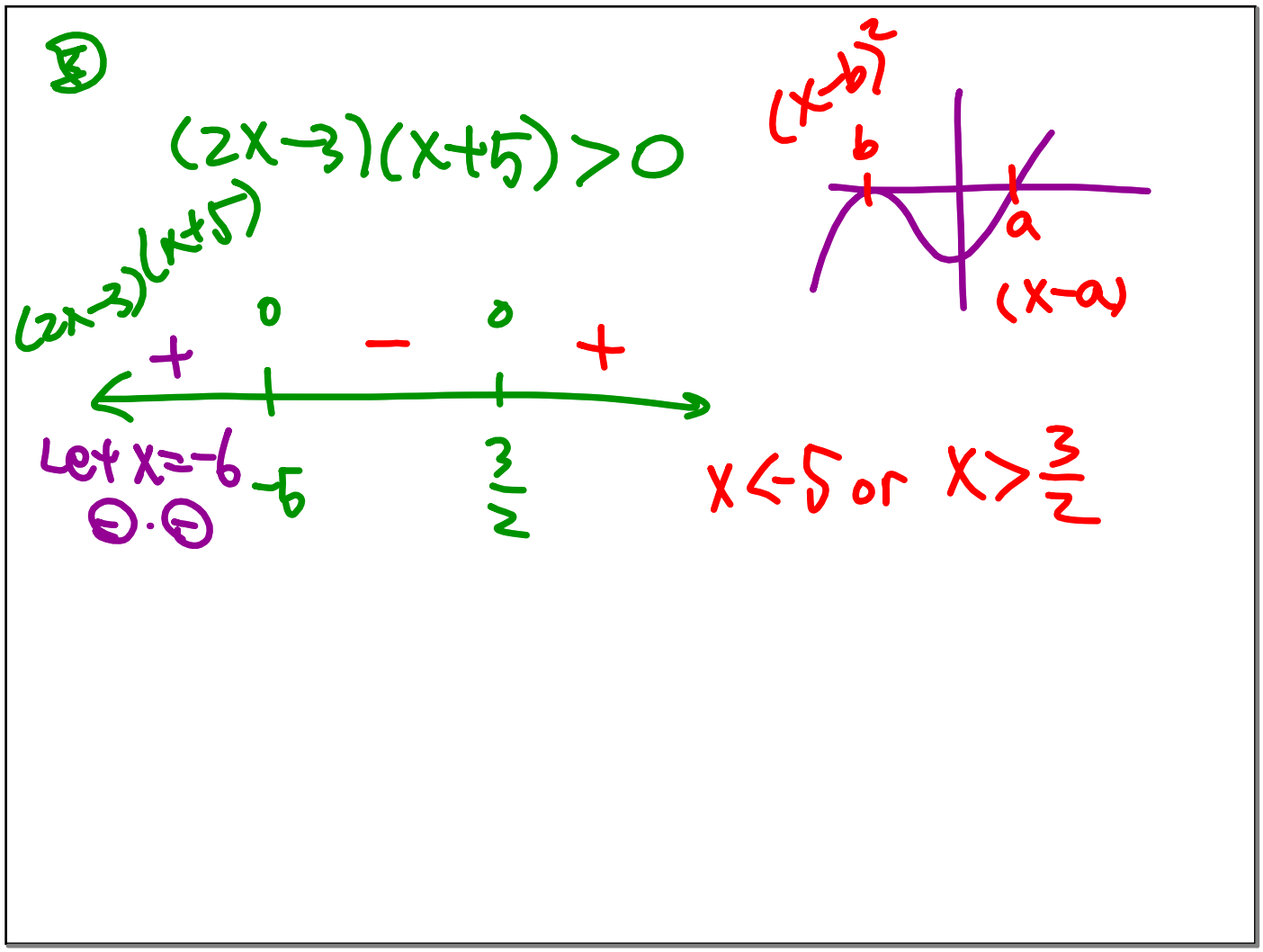
$2x>3$ $\qquad$ $x>-5$

$x>\frac{3}{2}$

$(2x-3)(x+5)>0$

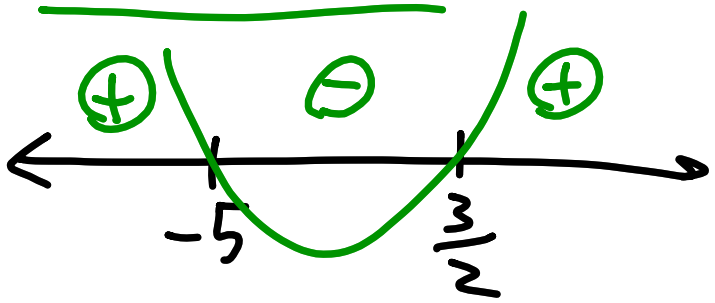


$x<-5$ or $x>\frac{3}{2}$


(2x-3)(x+5)>0
(2x-3)(x+5)
0
0
+
−
+
Let x=-6
⊖·⊖
-5
3/2
x<-5 or x>3/2
(x-b)^2
b
a
(x-a)

③

$(2x-3)(x+5) > 0$



$x < -5$ or $x > \frac{3}{2}$

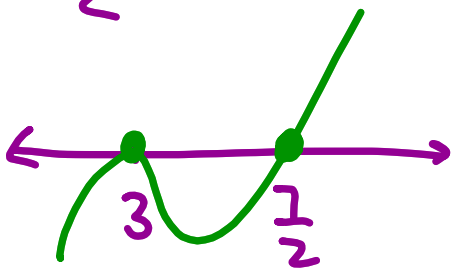
1) $x-3>0$

$x>3$

2) $2x-7>0$

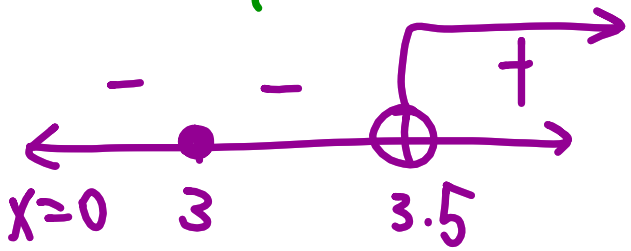
$x>\frac{7}{2}$

3) $(x-3)^2(2x-7)\geq 0$



$x\geq\frac{7}{2}$ or $x=3$

4) $\frac{(x-3)^2}{2x-7}\geq 0$



$x>3.5$ or $x=3$

$\frac{1}{2} < \frac{n}{3} < \frac{7}{5}$

Find n

$\frac{15}{30} < \frac{10n}{30} < \frac{42}{30}$

$15 < 10n < 42$

$1.5 < n < 4.2$

$\frac{1}{2} < \frac{3}{n} < \frac{7}{5}$

Find n

$\frac{21}{42} < \frac{21}{7n} < \frac{21}{15}$

$42 > 7n > 15$

$6 > n > \frac{15}{7}$