



1. Draw the graph of $x^2 + 11x + 28 \leq 0$ and indicate the solutions of x .

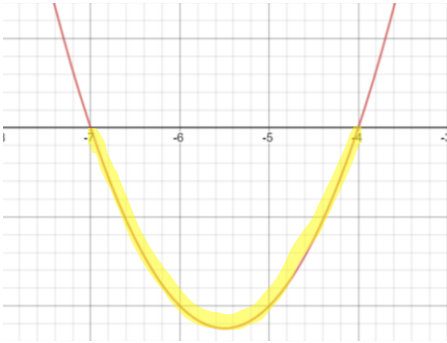
(4)

2. Draw the graph of $3x^2 + 2x - 5 > 0$ and indicate the solutions of x .

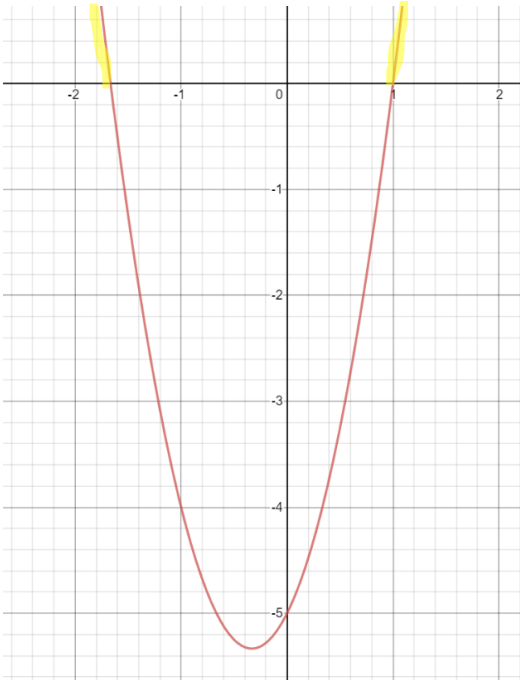
(3)

Solutions

1.

$x^2 + 11x + 28 \leq 0$ $(x + 7)(x + 4) = 0$	M1
$x = -7$ $x = -4$	M1
<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p>Shape M1</p> <p>Solutions are points below the x-axis M1</p> <p>$-4 \leq x \leq -7$</p> </div> <div style="flex: 1; text-align: center;">  </div> </div>	

2.

$3x^2 + 2x - 5 = 0$ $(3x + 5)(x - 1) = 0$	M1
$x = -\frac{5}{3}$ $x = 1$	M1
<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p>Shape M1</p> <p>Solutions are points above the x-axis M1</p> <p>$x < -\frac{5}{3}$ $x > 1$</p> </div> <div style="flex: 1; text-align: center;">  </div> </div>	