

# EOC packet

① Jessie's ride:  $y = \frac{2}{3}x + 5$

X = Robert's bus ride

② B

② A)  $y - 2x \leq 5$   
 $\frac{+2x \quad +2x}{y \leq 2x + 5}$

B)  $y - \frac{1}{2}x \leq 5$   
 $\frac{+\frac{1}{2}x \quad +\frac{1}{2}x}{y \leq \frac{1}{2}x + 5}$

③ C)  $y + 2x \leq 5$   
 $\frac{-2x \quad -2x}{y \leq -2x + 5}$

D)  $y + \frac{1}{2}x \leq 5$   
 $\frac{-\frac{1}{2}x \quad -\frac{1}{2}x}{y \leq -\frac{1}{2}x + 5}$

④ C The line begins at 5 and goes down 2, and to the right 1.

⑤ 3  $t^2 - 36$   
↑

$(t+6)(t-6)$

difference of perfect squares

⑥ 4 Find y intercept.  
 $(0, c)$   
 $(0, 7)$

$f(x) = 4x^2 - 8x + 7$   
 $a = 4 \quad b = -8 \quad c = 7$

⑦ D This is the only parabola that crosses at 7 on y-axis.