

HW #2 LT 3.2 Honors

(same as reg. except #1)

1) $f(x) = 2x^2 + 4x - 6$

1) $a=2$ $b=4$ $c=-6$

2) $(0, -6)$

3a) $x = \frac{-4}{2(2)} = -1$

3b) $f(-1) = 2 - 4 - 6 = -8$
 $(-1, -8)$

2) $f(x) = -x^2 + 4x - 1$

1) $a=-1$ $b=4$ $c=-1$

2) $(0, -1)$

3a) $x = \frac{-4}{2(-1)} = 2$

3b) $f(2) = -4 + 8 - 1 = 3$
 $(2, 3)$

3) $f(x) = -\frac{2}{3}x^2 + 8x - 24$

1) $a=-\frac{2}{3}$ $b=8$ $c=-24$

2) $(0, -24)$

3a) $x = \frac{-8}{2(-\frac{2}{3})}$

