50 H d=-f - 10 -50 -100 200 150 $q = -x^2 - 2x$ $q = \frac{41}{4} - 3 x$ 100 50 Intersection 1 10 -5 100 80 60 $x=s^2 + 3$ x=2s+240 20 5 Tangent Line 200 100 $g=2a^2+2$ g=-8 a - 16 Tangent Line -100 -200 Solution 100 80

1. Which of the following is correct intersection plot:

Tangent Line