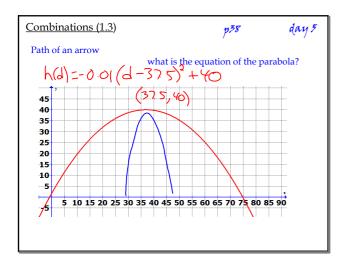
Combinations (1.3)

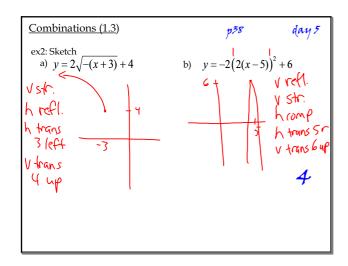
p38

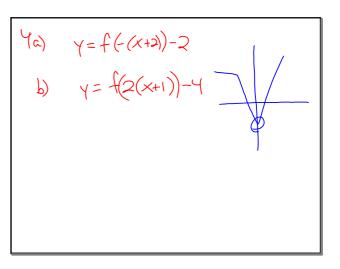
day 5

Combinations (1.3) day 5 **15.** The graph of a function y = f(x) is contained completely in the fourth quadrant. Copy and complete each 14. Consider the function statement. Without graphing, d the function after ea a) If y = f(x) is transformed to y = -f(x), it will be in quadrant ■. **a)** y = 4f(x)**b)** If y = f(x) is transformed to y = f(-x), **b)** y = f(-x)it will be in quadrant . c) $y = f\left(\frac{1}{2}x\right)$ c) If y = f(x) is transformed to y = 4f(x), **d)** y = f(2x)it will be in quadrant ■. d) If y = f(x) is transformed to $y = f(\frac{1}{4}x)$, it will be in quadrant ■.



Combinations (1.3) p38 day 5 ex1: Sketch y = 3|x - 5|a) $y = 2x^2 + 4$ 1 Str. V str. 2 1 trans V trans Yup When combining transformations, c) $y = -x^2 - 2$ the order is: V reff. 1. stretches 2. reflections U trans 3. translations 2 down





Combinations (1.3)	p38	day 5
HW: p38#8a, 9abc,10a		

Combinations (1.3)

ex3: Describe

a)
$$y = f(2(x+8))$$

b) $y = f\left(-\frac{1}{2}(x+2)\right) - 2$