FACTORED FORM	VERTEX FORM	STANDARD FORM
y = a(x - s)(x - t)	$y = a(x - h)^2 + k$	$y = ax^2 + bx + c$
	vertex is (h, k)	
x-intercepts (zeros) are (s, 0) and (t, 0) - note the change in signs!	<ul> <li>note the sign change of h</li> <li>max or min value is k and it occurs at h</li> <li>x=h is the equation of the axis of symmetry</li> </ul>	y-intercept is (0, c)
y=(x + 2)(x - 4) zeros are (-2, 0) and (4, 0)	$y = (x - 1)^2 - 9$ vertex is $(1, -9)$ axis of symmetry is $x=1$ minimum value is -9	<b>y = x² - 2x - 8</b> y-intercept is (0, -8)

"a" tells us the direction of opening...
If a is positive, the parabola opens up and has a minimum
If a is negative, the parabola opens down and has a maximum

- how do you determine if a relation is linear or quadratic from: table of values (using differences); equation; and graph
- what are the key points on a parabola (you may want to draw a diagram and label it well!)
- how do you determine how wide/narrow a parabola is?
- how do you factor a simple trinomial?