

Math C

12.2 Parabolas part 1

Rewrite into standard form for a parabola and state its domain & range.

1.  $(y + 2)^2 = 16(x + 3)$

2.  $x = 3y^2 - 12y + 8$

3.  $4x = y^2 - 6y - 11$

4.  $(y - 2)^2 = -8(x - 8)$

5.  $y = -5x^2 - 20x - 22$

6.  $4y = -x^2 - 12x - 40$