

Math C

12.2 Parabolas part 3

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

1. $(y - 1)^2 = 4(x + 3)$

2. $x = 4y^2 + 24y + 33$

3. $5x = y^2 - 2y - 29$

4. $(y + 1)^2 = -12(x - 3)$

5. $y = -3x^2 + 18x - 32$

6. $8y = -x^2 + 8x - 48$