

PRACTICE - Place each of the following in vertex form. Solutions

1. $y = 4x^2 - 12x - 41$ $y = 4(x - 3/2)^2 - 50$

2. $y = -x^2 + 8x + 7$ $y = -(x - 4)^2 + 23$

3. $y = 7x^2 + 14x - 21$ $y = 7(x + 1)^2 - 28$

4. $y = 4x^2 + 20x - 25$ $y = 4(x + 5/2)^2 - 50$

5. $y = x^2 - 6x - 27$ $y = (x - 3)^2 - 36$

6. $y = -3x^2 + 12x - 32$ $y = -3(x - 2)^2 - 20$