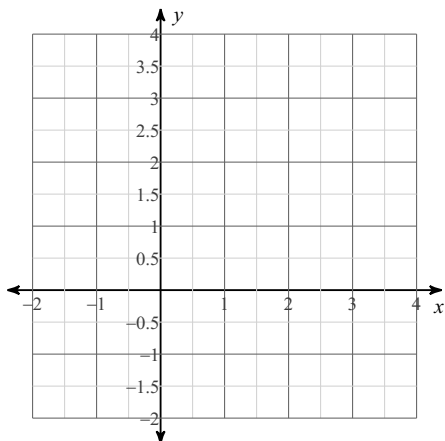


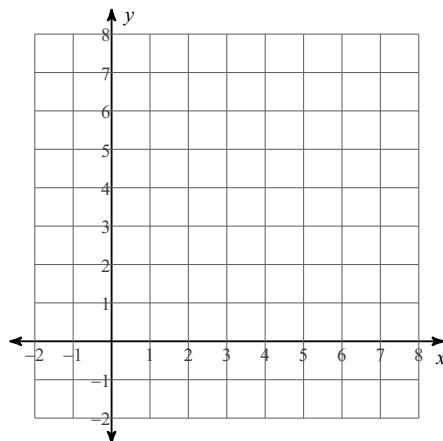
Graphing quadratic inequalities practice (toward A2 3.7)

Sketch the graph of each inequality.

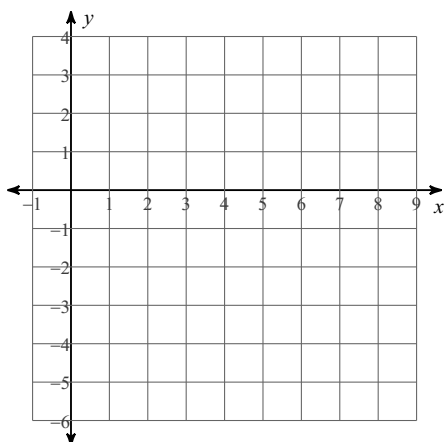
1) $y < -(x - 1)^2 + 3$



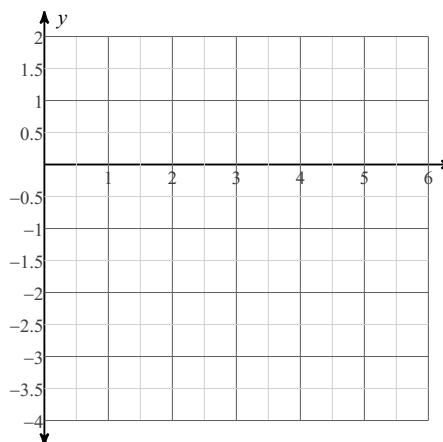
2) $y \leq 2(x - 3)^2 - 1$



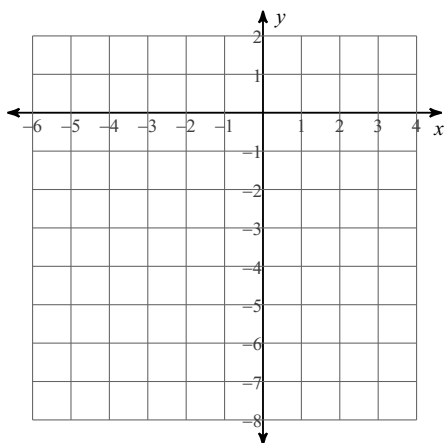
3) $y > -2(x - 1)^2 + 3$



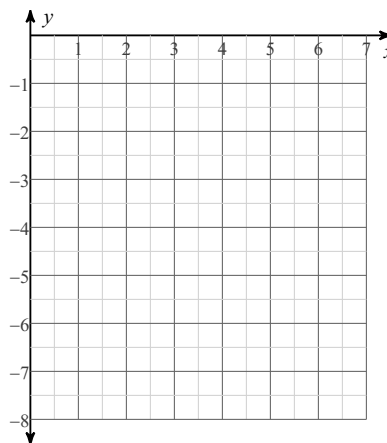
4) $y > -(x - 3)^2 + 1$



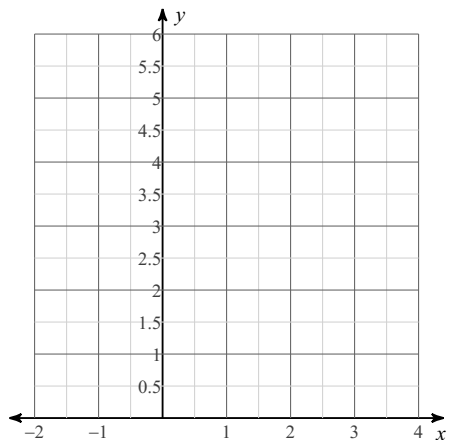
5) $y \leq -2(x - 1)^2 + 1$



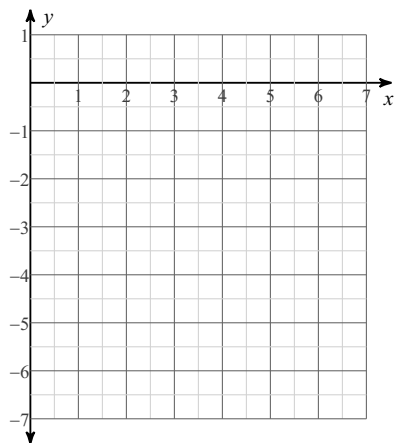
6) $y > -(x - 4)^2 - 3$



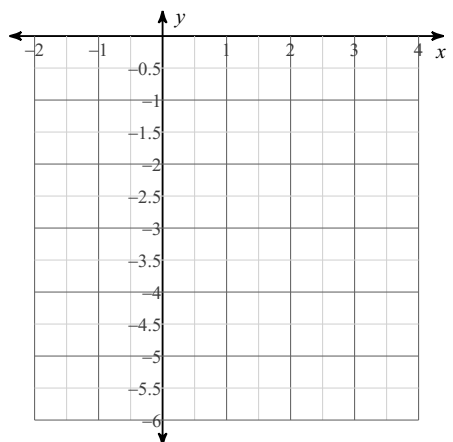
$$7) y < \frac{1}{2}(x-2)^2 + 3$$



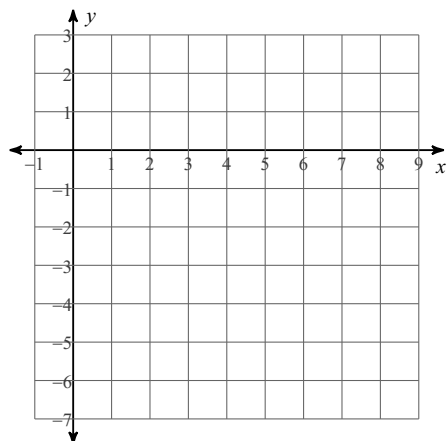
$$8) y \leq -(x-4)^2 - 1$$



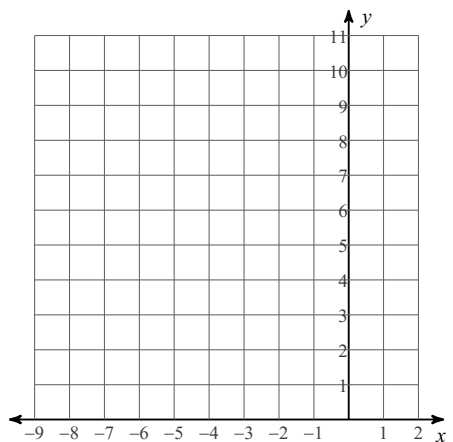
$$9) y \leq -(x-1)^2 - 1$$



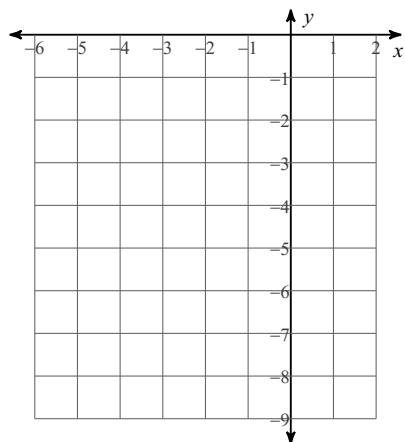
$$10) y < -2x^2 + 12x - 16$$



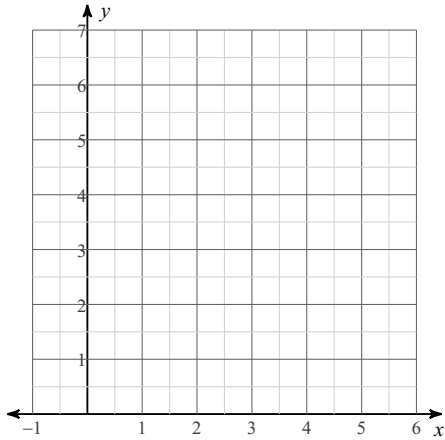
$$11) y < 2x^2 + 16x + 34$$



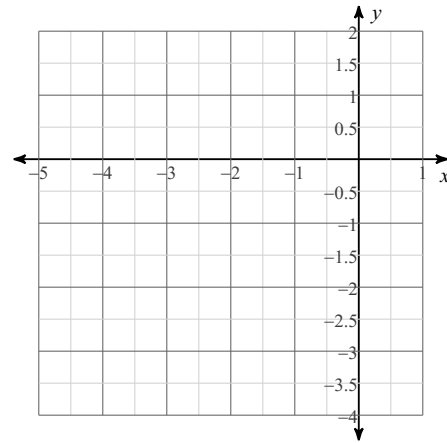
$$12) y > -x^2 - 4x - 8$$



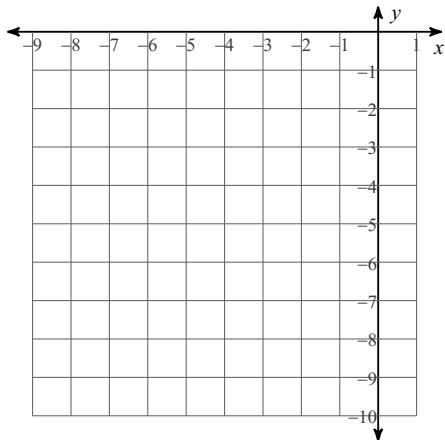
$$13) y > \frac{1}{2}x^2 - 4x + 12$$



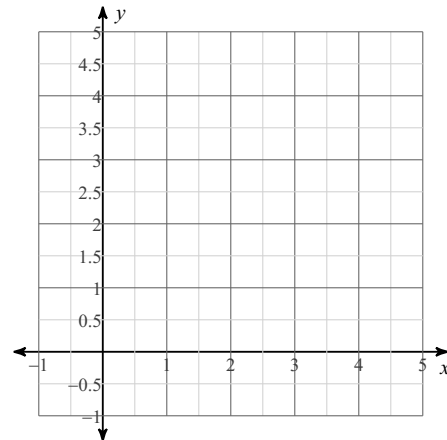
$$14) y \leq x^2 + 6x + 6$$



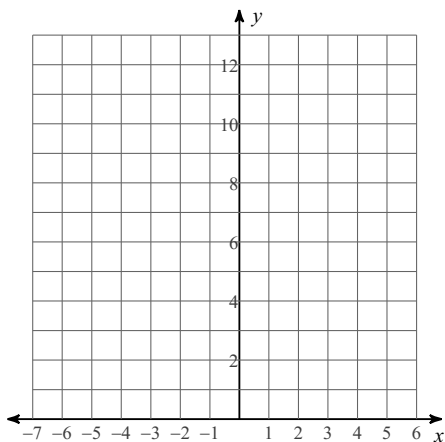
$$15) y > -2x^2 - 12x - 19$$



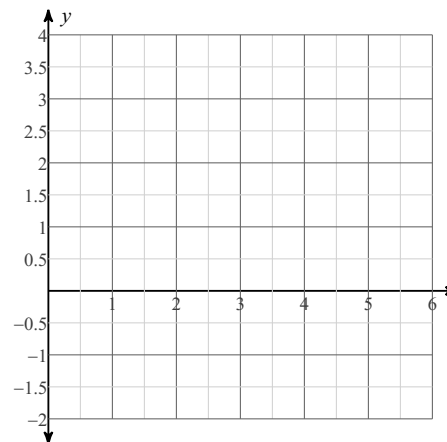
$$16) y \geq -x^2 + 2x + 3$$



$$17) y > 2x^2 - 16x + 36$$

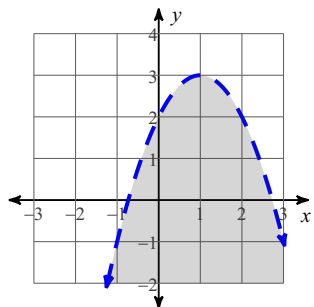


$$18) y \geq x^2 - 6x + 8$$

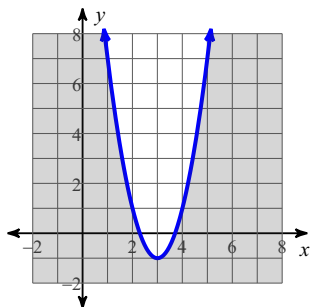


Answers to Graphing quadratic inequalities practice (toward A2 3.7)

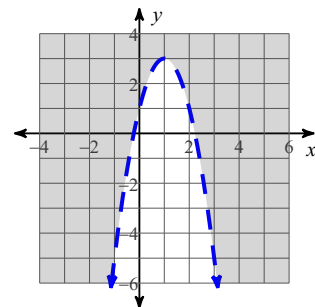
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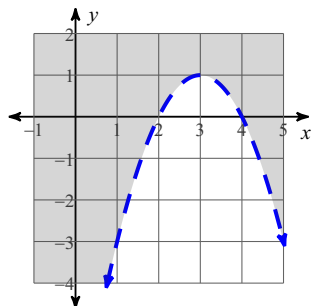
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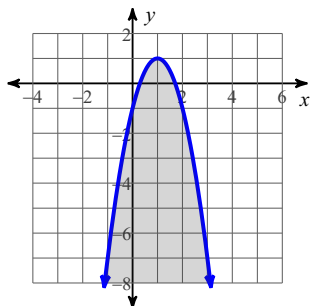
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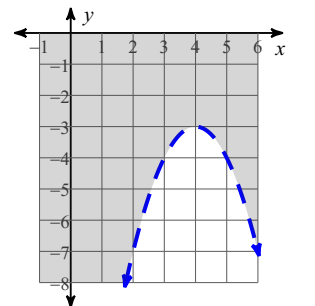
4)



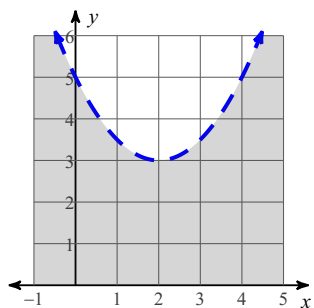
5)



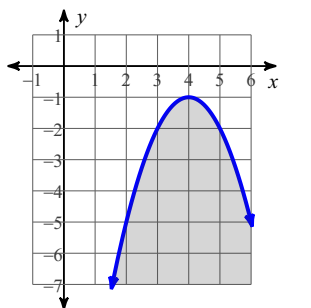
6)



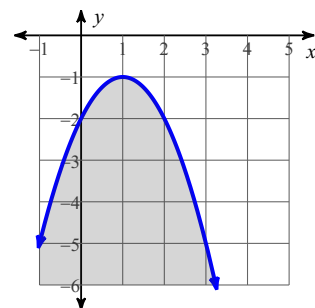
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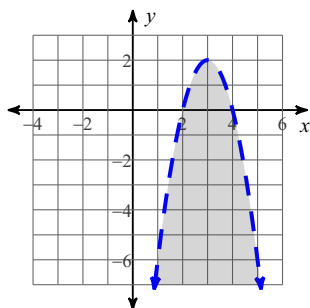
8)



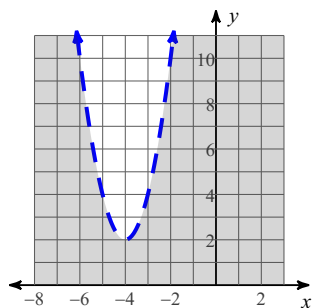
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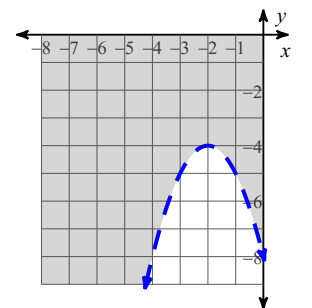
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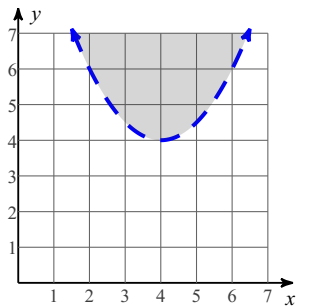
11)



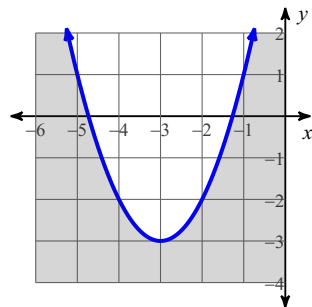
12)



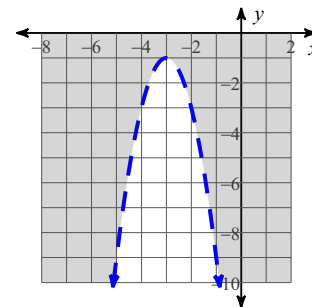
13)



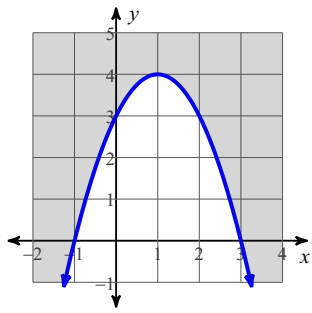
14)



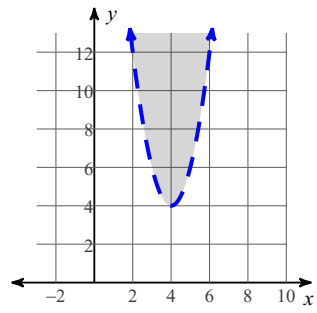
15)



16)



17)



18)

