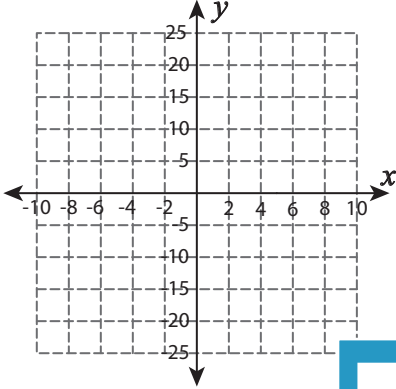


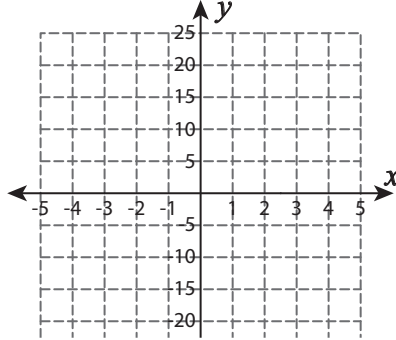
Solving Quadratic Inequalities

Solve each inequality using the graph.

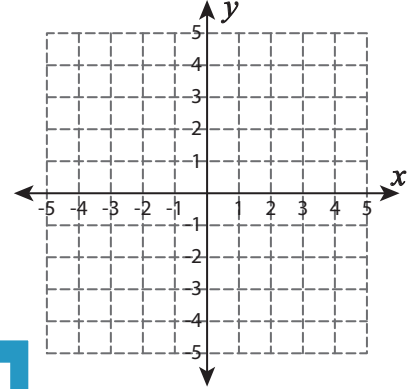
1) $x^2 - x - 20 < 0$



2) $-2x^2 - x + 15 \leq 0$



3) $x^2 - 5x + 4 < 0$



PREVIEW

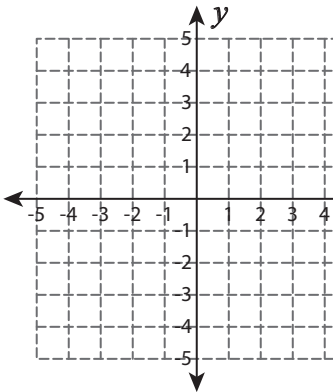
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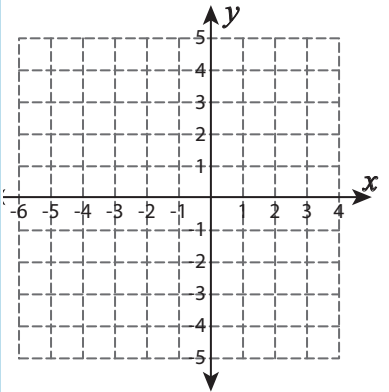
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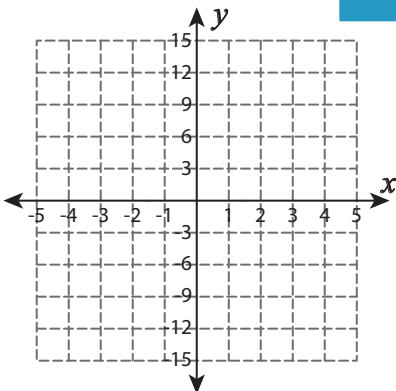
4) $x^2 + x - 2 \geq 0$



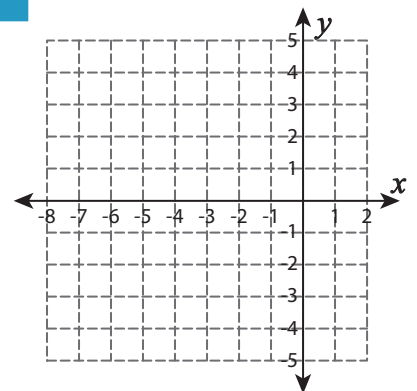
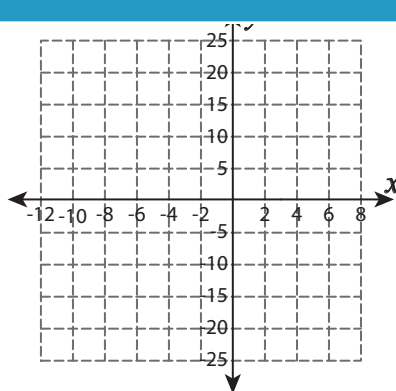
5) $-x^2 - 8x - 15 > 0$



7) $4x^2 - 9 \leq 0$



8) $-x^2 - 11x - 28 < 0$

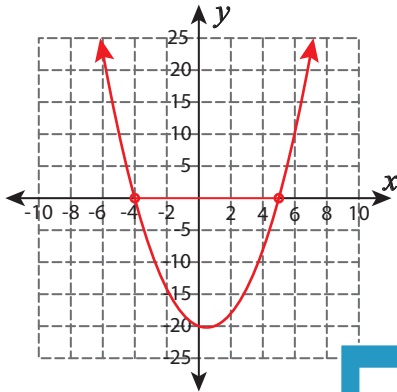


Solving Quadratic Inequalities

Sheet 2

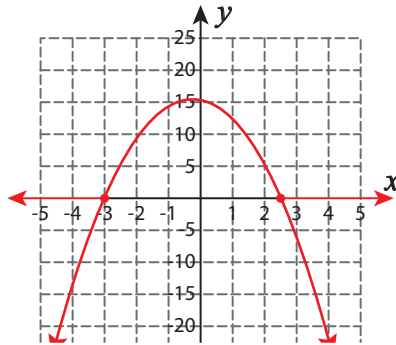
Solve each inequality using the graph.

1) $x^2 - x - 20 < 0$

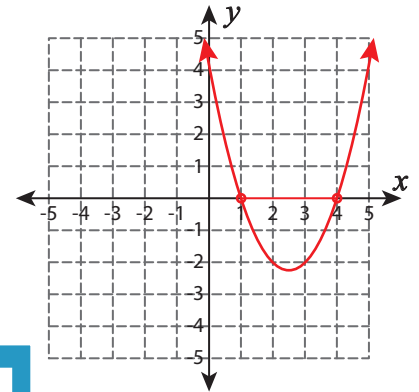


$$-4 < x < 5$$

2) $-2x^2 - x + 15 \leq 0$

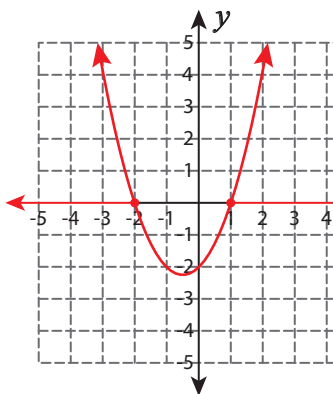


3) $x^2 - 5x + 4 < 0$



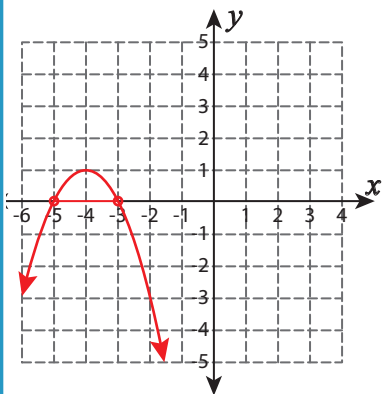
$$1 < x < 4$$

4) $x^2 + x - 2 \geq 0$



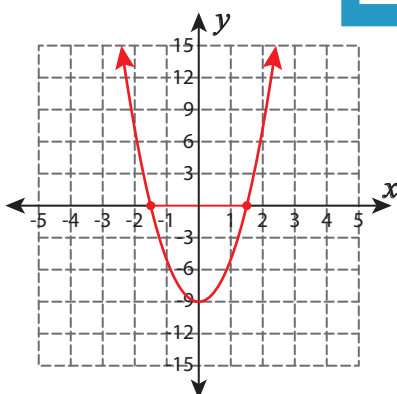
$$x \leq -2 \text{ or } x \geq 1$$

$-x^2 - 8x - 15 > 0$



$$-5 < x < -3$$

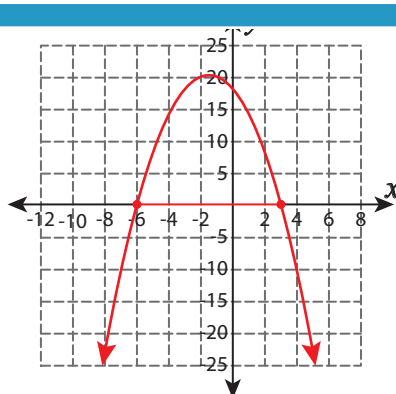
7) $4x^2 - 9 \leq 0$



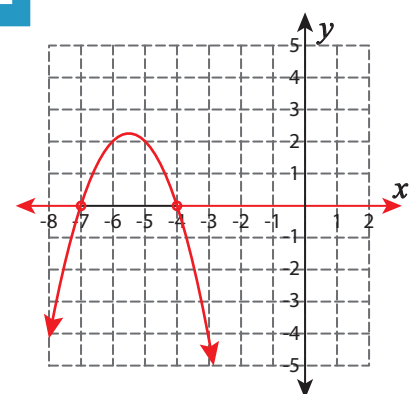
$$-\frac{3}{2} \leq x \leq \frac{3}{2}$$

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$-x^2 - 11x - 28 < 0$



$$-6 \leq x \leq 3$$



$$x < -7 \text{ or } x > 4$$

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