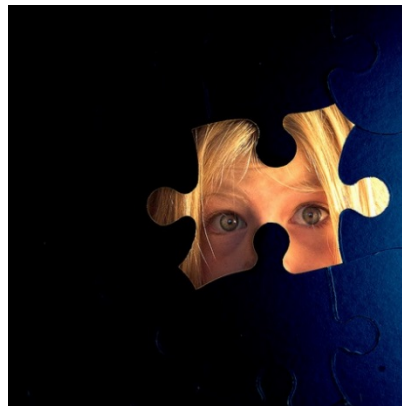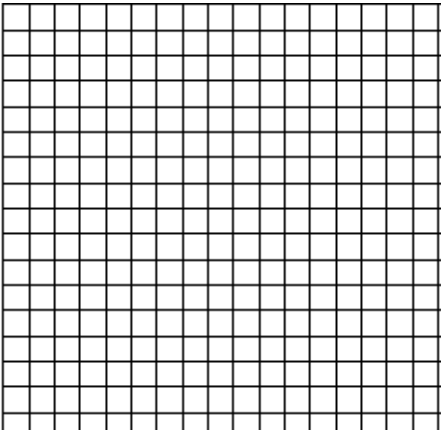# 2.9 I've Got a Fill-in
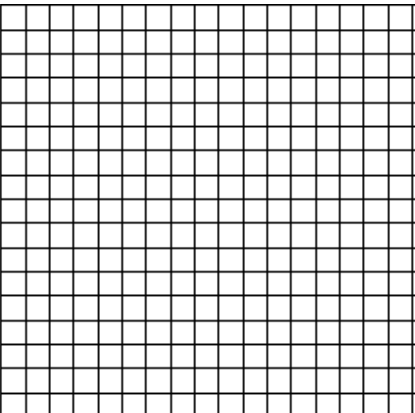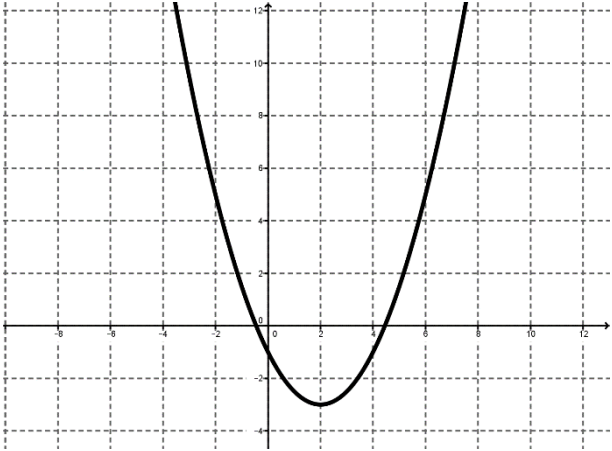
*A Practice Understanding Task*

For each problem below, you are given a piece of information that tells you a lot. Use what you know about that information to fill in the rest.
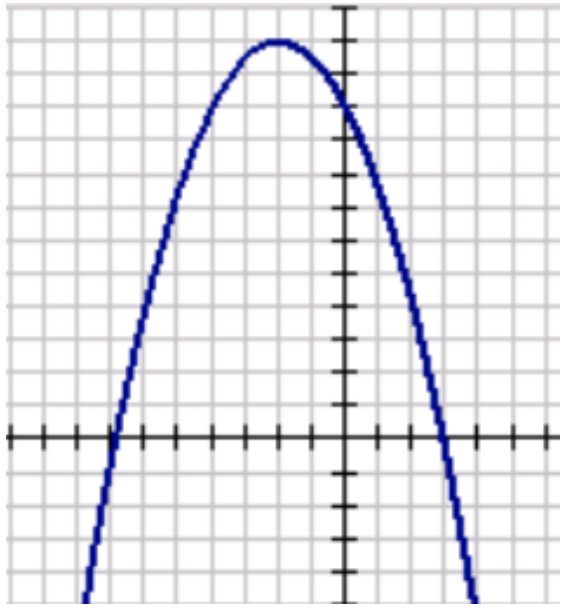
| 1. You get this: | Fill in this: |
|---|---|
| $$y = x^2 - x - 12$$ | Factored form on the equation: |
| | Graph of the equation: |

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| 2. | You get this: | Fill in this: |
|---|---|---|
| | $$y = x^2 - 6x + 3$$ | **Vertex form of the equation:** |
| | | **Graph of the equation:**  |

| 3. | You get this: | Fill in this: |
|---|---|---|
| |  | **Vertex form of the equation:** |
| | | **Standard form of the equation:** |

| 4. | You get this: | Fill in this: |
|---|---|---|
| |  | **Factored form of the equation:** |
| | | **Standard form of the equation:** |

| 5. | You get this: | Fill in this: |
|---|---|---|
| | $$y = -x^2 - 6x + 16$$ | Either form of the equation other than standard form. |
| | | Vertex of the parabola |
| | | $x$-intercepts and $y$-intercept |

| 6. | You get this: | Fill in this: |
|---|---|---|
| | $y = 2x^2 + 12x + 13$ | Either form of the equation other than standard form. |
| | | Vertex of the parabola |
| | | $x$-intercepts and $y$-intercept |

| 7. | You get this: | Fill in this: |
|---|---|---|
| | $y = -2x^2 + 14x + 60$ | Either form of the equation other than standard form. |
| | | Vertex of the parabola |
| | | $x$-intercepts and $y$-intercept |