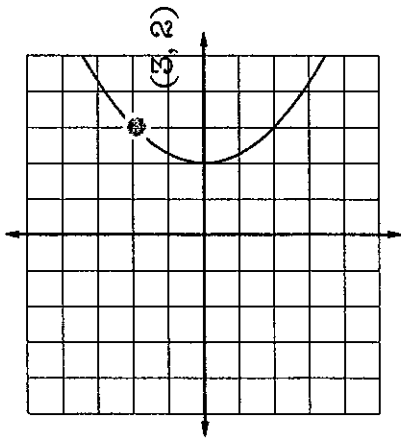
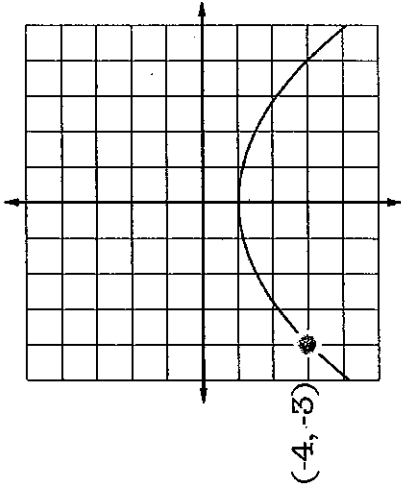


1 Find the equation of the parabola shown.



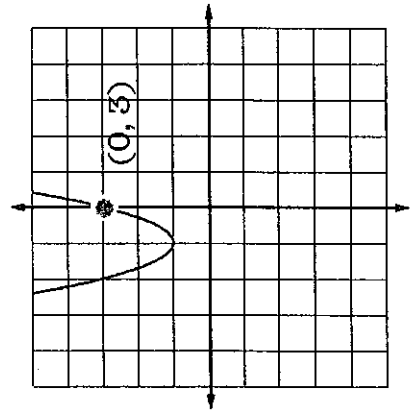
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2 Find the equation of the parabola shown.



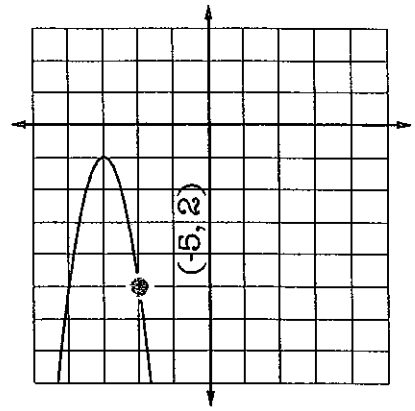
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3 Find the equation of the parabola shown.



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4 Find the equation of the parabola shown.



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5

Find the equation of the parabola that has a vertex of $(-2, 5)$ and a directrix at $x = 0$.

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Find the equation of the parabola that has a horizontal line of symmetry, has a vertex at the origin, and passes through the point $(3, -2)$.

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Find the equation of the parabola that has a directrix at $x = -2$ and a focus at $(4, 4)$.

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Find the equation of the parabola that has a vertex at $(-1, 2)$ and a focus at $(-1, 0)$.

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Find the vertex, focus, and directrix of the parabola.

$$y^2 + 8y - x + 12 = 0$$

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Find the vertex, focus, and directrix of the parabola.

$$x^2 + 4x + 3y - 8 = 0$$

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11

Find the vertex, focus, and directrix of the parabola.

$$x^2 + 6x - 5y - 31 = 0$$

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12

Find the vertex, focus, and directrix of the parabola.

$$y^2 + 2y - 2x - 3 = 0$$

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13

Graph the parabola on your answer sheet. On the graph, also plot the focus and the directrix.

$$y^2 = 4x$$

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Graph the parabola on your answer sheet. On the graph, also plot the focus and the directrix.

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

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Graph the parabola on your answer sheet. On the graph, also plot the focus and the directrix.

$$(y-1)^2 = -8x$$

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16

Graph the parabola on your answer sheet. On the graph, also plot the focus and the directrix.

$$x^2 = 2(y-1)$$

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