|  |
| --- |
| **Plotting Quadratic Graphs** |
| **(a)** $y=x^{2}$ | **(b)** $y=x^{2}+3$ |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| $$x$$ | $$-3$$ | $$-2$$ | $$-1$$ | $$0$$ | $$1$$ | $$2$$ | $$3$$ |
| $$y$$ |  |  |  |  |  |  |  |

 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| $$x$$ | $$-3$$ | $$-2$$ | $$-1$$ | $$0$$ | $$1$$ | $$2$$ | $$3$$ |
| $$y$$ |  |  |  |  |  |  |  |

 |
|  |  |
| **(c)** $y=x^{2}-2$ | **(d)** $y=2x^{2}$ |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| $$x$$ | $$-3$$ | $$-2$$ | $$-1$$ | $$0$$ | $$1$$ | $$2$$ | $$3$$ |
| $$y$$ |  |  |  |  |  |  |  |

 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| $$x$$ | $$-3$$ | $$-2$$ | $$-1$$ | $$0$$ | $$1$$ | $$2$$ | $$3$$ |
| $$y$$ |  |  |  |  |  |  |  |

 |
|  |  |

|  |  |
| --- | --- |
| **(e)** $y=-x^{2}$ | **(f)** $y=x^{2}-x-6$ |
|

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| $$x$$ | $$-3$$ | $$-2$$ | $$-1$$ | $$0$$ | $$1$$ | $$2$$ | $$3$$ |
| $$y$$ |  |  |  |  |  |  |  |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $$x$$ | $$-3$$ | $$-2$$ | $$-1$$ | $$0$$ | $$1$$ | $$2$$ | $$3$$ | $$4$$ |
| $$y$$ |  |  |  |  |  |  |  |  |

 |
|  |  |
| **(g)**  | **(h)** |
| Plot the graph of $y=x^{2}-5x+4$ for $-1\leq x\leq 6$ | Plot the graph of $y=12+x-x^{2}$ for $$-3\leq x\leq 4$$ |
|  |  |