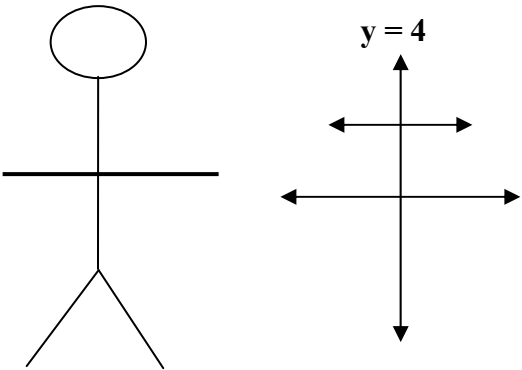
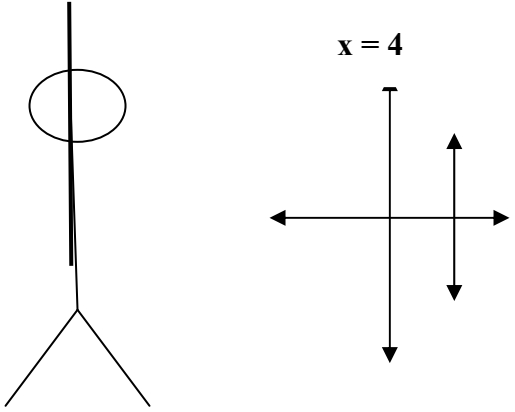
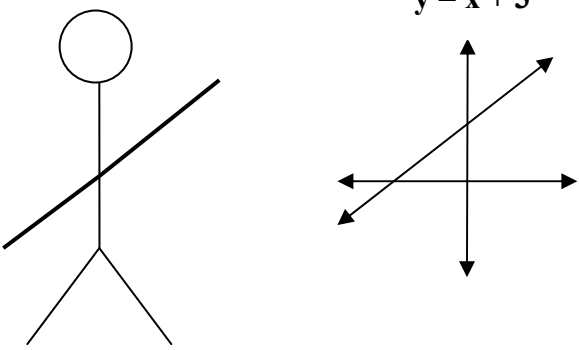
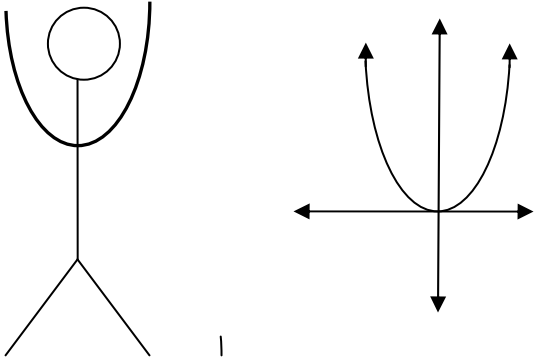
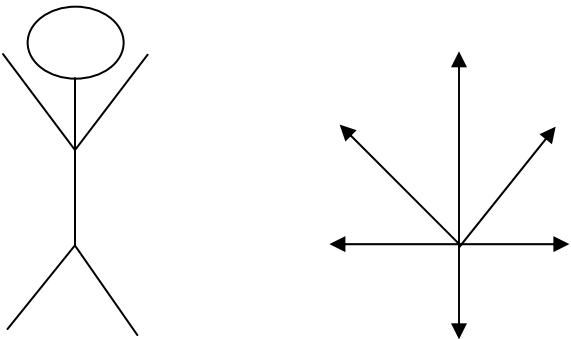
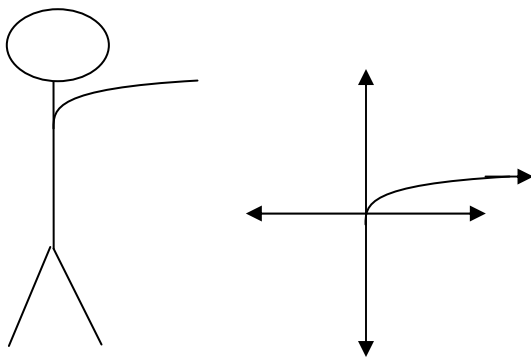


## Common Lines Reference

|   |  |
|---|--|
| <p style="text-align: center;"><b><math>y = \text{constant}</math></b><br/> <b>arms stretched like a horizontal line</b></p>  <p>The stick figure has its arms stretched horizontally. To its right is a coordinate plane with a horizontal line drawn across it, representing the equation <math>y = \text{constant}</math>.</p>                          | <p style="text-align: center;"><b><math>x = \text{constant}</math></b><br/> <b>one arm straight up and one arm straight down to look like a vertical line</b></p>  <p>The stick figure has one arm pointing straight up and one pointing straight down, forming a vertical line. To its right is a coordinate plane with a vertical line drawn through it, representing the equation <math>x = \text{constant}</math>.</p> |
| <p style="text-align: center;"><b><math>y = x</math></b><br/> <b>arms stretched to form a diagonal (you can switch directions to change slope +/-)</b></p>  <p>The stick figure has its arms stretched diagonally. To its right is a coordinate plane with a diagonal line passing through the origin, representing the equation <math>y = x</math>.</p> | <p style="text-align: center;"><b><math>y = x^2</math></b><br/> <b>arms raised above head in a curve (like "touchdown")</b></p>  <p>The stick figure has its arms raised in a parabolic curve above its head. To its right is a coordinate plane with a parabola opening upwards, representing the equation <math>y = x^2</math>.</p>  |
| <p style="text-align: center;"><b><math>y =  x </math></b><br/> <b>arms raised above head in a "V" (like a cheerleader)</b></p>  <p>The stick figure has its arms raised in a V-shape above its head. To its right is a coordinate plane with a V-shaped graph representing the equation <math>y =  x </math>.</p>                                       | <p style="text-align: center;"><b><math>y = \sqrt{x}</math></b><br/> <b>one arm outstretched and curved</b></p>  <p>The stick figure has one arm outstretched and curved. To its right is a coordinate plane with a curve representing the equation <math>y = \sqrt{x}</math>.</p>   |