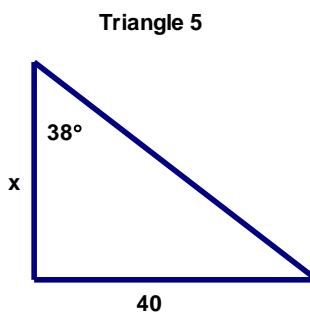
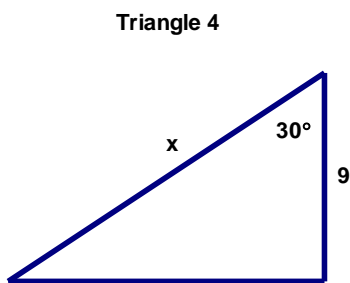
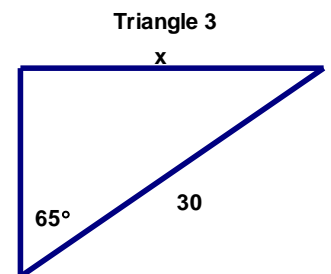
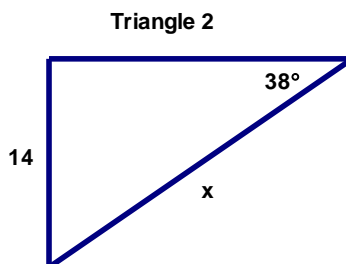
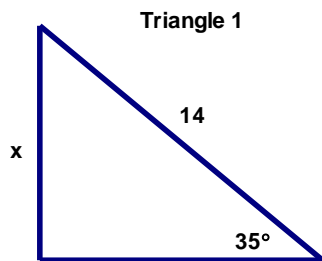


## 7-4 x-intercepts and y-intercepts

In 1-5, find the x-intercepts and the y-intercepts of the given equations.

1.  $f(x) = x^2 + 6x - 5$       x-intercept = \_\_\_\_\_      y-intercept = \_\_\_\_\_
2.  $f(x) = 9x - 18$       x-intercept = \_\_\_\_\_      y-intercept = \_\_\_\_\_
3.  $f(x) = x^2 - 7x - 8$       x-intercept = \_\_\_\_\_      y-intercept = \_\_\_\_\_
4.  $f(x) = x^3 + x^2 - 4x - 4$       x-intercept = \_\_\_\_\_      y-intercept = \_\_\_\_\_  
(factor by grouping)
5.  $f(x) = 2x - 10$       x-intercept = \_\_\_\_\_      y-intercept = \_\_\_\_\_

## 8-1 SOHCAHTOA



All triangles above are right triangles.

- \_\_\_\_\_ 1. What is the value of  $x$  in Triangle 1 above?
- \_\_\_\_\_ 2. What is the value of  $x$  in Triangle 2 above?
- \_\_\_\_\_ 3. What is the value of  $x$  in Triangle 3 above?
- \_\_\_\_\_ 4. What is the value of  $x$  in Triangle 4 above?
- \_\_\_\_\_ 5. What is the value of  $x$  in Triangle 5 above?