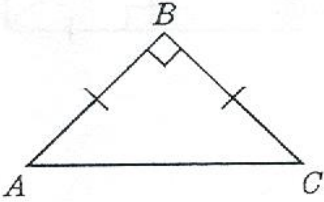
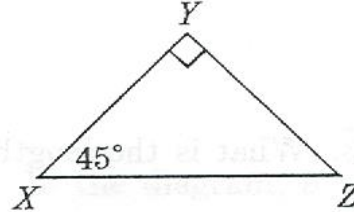


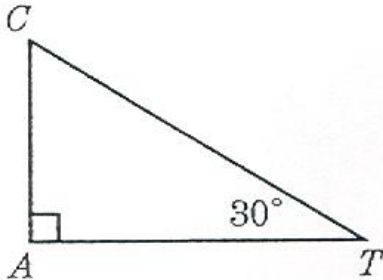
1. If $AB = 2\sqrt{2}$, find the length of AC .



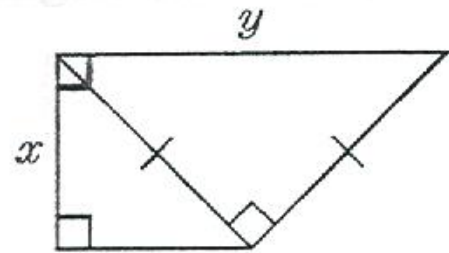
2. If $YZ = 4k\sqrt{6}$, express XZ in terms of k .



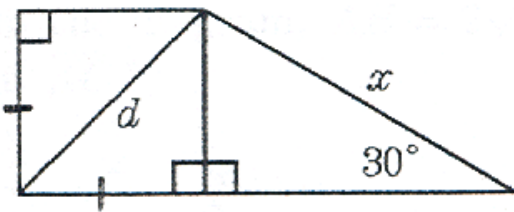
3. If $CA = 3m\sqrt{3}$, express AT in term of m .



4. If $x = 12$, find the value of y .



5. If $d = 3\sqrt{2}$, find the value of x .

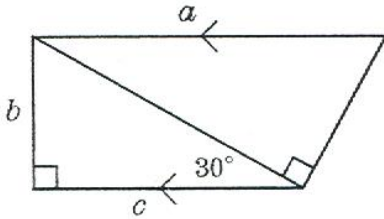


6. An isosceles right triangle has a leg of $8\sqrt{6}$ units. What is its perimeter?

Worksheet: Special Right Triangles

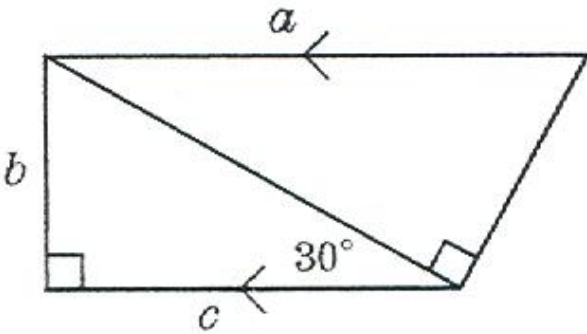
You MUST show work to receive all credit!!

7. If $a = 16$, find the values of b and c . Explain why you know that both triangles are 30-60-90s.



8. What is the altitude of an equilateral triangle with a perimeter of 30 units?

9. If $a = 10\sqrt{3}$, find the values of b and c .



10. If $CT = 2x$, express BT in terms of x .

