

Year Nine Work

1. What is: a) 6^3 b) 3^2 c) 9^3 d) 7^2 e) 8^2

2. Work out the following:

a. $3^2 + 8^2 =$

b. $5^2 - 3^2 =$

c. $7^2 + 9^2 =$

d. $10^2 - 6^2 =$

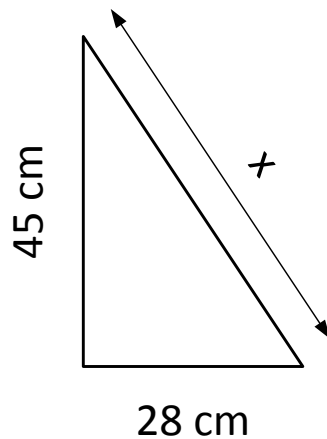
3. Simplify the following expressions:

a. $t + 2t + 4t + 7y =$

b. $5t - 3t + 7 =$

c. $7t^2 + 6t - 2t^2 =$

4. Find the length of the side marked x in the triangle below:



5. What is the size of the missing angle in the following diagrams:

