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# Algebra 2

Interactive Student Edition  
CONTENTS

HOMEWORK (CHAPTER 2 & 3) FORM 2

NAMA :

Percentage :

TING :  Time: 1 hour 15 minutes

**Paper 1**

This paper consists of 40 questions. Answer all questions. Every question is followed by four alternative answers A, B, C and D. For each question, choose one answer only. Blacken your answer on the objective answer sheet provided. If you wish to change your answer, erase the blackened mark that you have made. Then blacken the new answer.

- 1 Which of the following numbers does **not** lie between  $11^2$  and  $17^2$ ?  
A 292            C 204  
B 219            D 170
- 2 Given that  $2.49^2 = 6.2$ , what is the value of  $24.9^2$ ?  
A 62            C 6 200  
B 620           D 62 000
- 3 Given that  $2.35^2 = 5.52$ , then  $10 \times 23.5^2$ ?  
A 552 000      C 5 520  
B 55 200        D 552
- 4  $15^2 - (-16)^2 =$   
A  $1^2$             C  $15^2 + 16^2$   
B  $31^2$            D  $15^2 - 16^2$
- 5 Which of the following numbers is **not** a perfect square?  
A 49            C 256  
B 196           D 401
- 6  $4^2 \times 8^2 =$   
A 1 094           C 1 024  
B 1 074           D 994
- 7 Given that  $3.59^2 = 12.89$ , what is the value of  $359^2$ ?  
A 128 900      C 1 289  
B 12 890        D 128.9
- 8 What is the square of 11?  
A 22            C 44  
B 33            D 121
- 9 The value of  $62.72^2$  lies between  
A 60 and 70  
B 600 and 700  
C 3 600 and 4 900  
D 360 000 and 490 000
- 10 Given that  $\sqrt{9.5} = 3.08$  and  $\sqrt{95} = 9.75$ , then  $\sqrt{950} =$   
A 975            C 97.5  
B 308            D 30.8
- 11 Given that  $4.66^2 = 21.7$ , then  $\sqrt{2\ 170} =$   
A 0.466           C 466  
B 46.6            D 4 660
- 12 Given that the area of a piece of square tile is  $196\text{ cm}^2$ , find its perimeter.  
A 14 cm           C 56 cm  
B 42 cm           D 70 cm
- 13 Which of the following is true?  
A  $\sqrt{6} \times \sqrt{6} = \sqrt{6+6}$   
B  $\sqrt{3 \times 3} = 2 \times \sqrt{3}$   
C  $\sqrt{64} = 8$   
D  $\sqrt{\frac{4}{9}} = \frac{2}{3}$
- 14 Which of the following is true?  
A  $\sqrt{3} \times \sqrt{3} = 3$   
B  $\sqrt{3 \times 3} = 2 \times \sqrt{3}$   
C  $\sqrt{81} = 9$   
D  $\sqrt{6\frac{1}{4}} = \frac{5}{2}$
- 15 The value of  $\sqrt{7.7 \times 1\ 000}$  lies between  
A 20 and 30      C 200 and 300  
B 80 and 90      D 800 and 900



