Grade 9 Review Sheet Sec 1.1 to 1.3

Part A: Place your answer in the space provided.

1. List the whole number perfect squares between 16 and 81. 1._____

2. What is the area of a square with a side length of 7 cm? 2._____

3. What is $\sqrt{1.44}$? 3._____

4. What is the square root of 169? 4._____

5. Is $\frac{49}{16}$ a perfect square? 5._____

6. Circle the correct word(s) to complete the sentence. $\sqrt{13}$ gives a _____ decimal. 6. non-terminating, non-repeating, terminating

7. $\sqrt{0.0121} = 0.11$ Is. 0.0121 a perfect square? 7._____

8. What is the square of $\frac{2}{5}$? 8._____

9. Calculate 0.8^2 9._____

10. Is $\frac{33}{36}$ a perfect square? 10._____

Part B: Show all workings in the space provided.

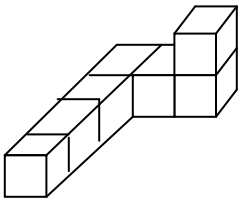
11. Illustrate with a diagram how to determine $\sqrt{\frac{9}{16}}$.

12. What is the perimeter of a square with an area of 36 cm^2?

13. Calculate $\sqrt{\frac{8}{18}}$.

14. Estimate $\sqrt{12.5}$. Identify the benchmarks you used and show all your workings.

15. Each cube has edge length 1 unit. Determine the surface area of the object.



16. Find the surface area of this composite object.