Standard Form - mixed exercise

Name:	Class:	Date:

Mark	/ 8	%

1) Rewrite as a normal number [2]

a) 9×10^2

b) 6.97×10^{-2}

2) Rewrite in standard form [2]

a) 84,600,000

b) 0.000002

3) Work out and express your answer in standard form [2]

a) $(3.3 \times 10^7) + (2.6 \times 10^7)$

b) $(5.1 \times 10^{-4}) \times (1.7 \times 10^5)$

4) Write in standard form [1]

50×10^3

5) Use the information in the table to answer the questions below [1]

Planet	Image	Mass (kg)	Distance to Sun (km)
Venus		4.87×10^{24}	1.08×10^{8}
Neptune		1.02×10^{26}	4.5×10^{9}
Uranus		8.68×10^{25}	2.87×10^{9}
Jupiter		1.9×10^{27}	7.78×10^{8}

a) Which planet is heaviest?

b) Which planet is nearest the sun?

Solutions for the assessment Standard Form - mixed exercise

1) a) 900

b) 0.0697

2) a) 8.46×10^7

b) 2×10^{-6}

3) a) 5.9×10^7

b) 8.67×10^1

4) 5×10^4

5) a) Jupiter, b) Venus