

Problem Sheet 3 Logarithms

$$\text{Q1)} \quad 9 - \frac{1}{2} = 8\frac{1}{2}$$
$$4 + 4 + 2 = 10$$
$$8 - \frac{1}{2} - 6 = 1\frac{1}{2}$$

$$\text{Q2)} \quad -\frac{4}{3}$$
$$-4$$
$$-1\frac{1}{2} = -\frac{3}{2}$$
$$\frac{7}{2} = 3\frac{1}{2}$$
$$2x - 3y$$
$$\frac{1}{4}$$

$$\text{Q3)} \quad \frac{625}{8}$$
$$\frac{1}{729}$$

$$\text{Q4)} \quad x = \frac{\log 6}{\log 2}$$
$$x = \frac{3}{2}$$
$$x = -4$$
$$x = \frac{\log(250)}{\log(5)}$$

Does not exist