Substitution and Expanding Brackets

Read the questions carefully, write your working if the question requires it then write the answer.

1. $\frac{30}{y} + \frac{20}{x}$ y = 3, x = 2

2. $4x(x + 2 + 3x)$

3. $122y - 36x$ y = 2, x = 2

4. $10(y + z + 2x - x)$

5. $10p + 11m - 12z$ p = 1, m = 1, z = 2

6. $12(-3 + 2x)$

7. $56z + \frac{25}{x}$ z = 3, x = 5

8. $13y(6 + 7x)$

9. $100 + z + x + 20$ z = -2, x = 5

10. $-4(2x - 4 + 2y)$

LIVEWORKSHEETS