Name: _____

**Fractions Homework**

Convert the following fractions to decimals (show your working):

1. $\dfrac{5}{8}$

2. $\dfrac{3}{4}$

3. $\dfrac{7}{16}$

4. $\dfrac{17}{99}$

5. $\dfrac{2}{33}$

Convert the following decimals to fractions **in their lowest terms** (show your working):

6. 0.7

7. 0.22

8. $0.\dot{3}$

9. 0.16

10. $0.\dot{8}\dot{1}$

Convert the following mixed numbers to improper fractions:

11. $1\frac{2}{7}$

12. $3\frac{1}{2}$

13. $12\frac{2}{3}$

Convert the following improper fractions to mixed numbers:

14. $\frac{17}{7}$

15. $\frac{6}{3}$

16. $\frac{21}{6}$

Challenge questions!

Q1. Convert this decimal to a fraction:

$0.11\dot{5}$

Q2. Convert this fraction to a decimal:

$\frac{12}{990}$