1. There are are 3.8 Liters in every Gallon. Write an equation for the number of Liters in an unknown number of Gallons. Define your variables.

$L = \#\text{Liters}$

$G = \#\text{gal}$

$L = 3.8 \cdot G$

Simplify each. Give fractional answers in reduced form and as an improper fractions where applicable.

2. $\frac{6}{1} - \frac{8}{5}$

$\frac{30}{5} - \frac{8}{5}$

$\frac{22}{5}$

3. $\frac{5}{3} - 3\frac{2}{7}$

$\frac{7}{7} \cdot \frac{5}{3} - \frac{23}{7} \cdot \frac{3}{3}$

$\frac{35}{21} - \frac{69}{21}$

$= -\frac{34}{21}$

4. $3\frac{3}{8} \div 1\frac{17}{28}$

$3\frac{3}{8} \cdot \frac{28}{45}$

$\frac{27}{25} \cdot \frac{28}{45} = \frac{21}{10}$

5. $9 - 4^2\left(\frac{24}{6} \div 2 \cdot 5\right) \div 8$

$(4 \div 2 \cdot 5)$

$2 \cdot 5$

$9 - 16(10) \div 8$

$9 - 160 \div 8$

$9 - 20 = -11$