1.2 Homework: Solving equations

**Solve the equation. SHOW YOUR WORK to receive full credit.**

1. $\frac{5}{3}r+\frac{4}{3}= -\frac{8}{9}$
2. 4(−8x + 5) = −32x − 26
3. −3(x − 1) + 8(x − 3) = 6x + 7 – 5x
4. 8x + 4(4x + 3) = 4(6x + 4) – 4
5. $\frac{2}{3}+2r= -\frac{86}{15}$

**Translation into an equation and solve.**

1. Twice the difference of x and 3 gives 18.

**Solve for the indicated variable.**

1. $u= \frac{ak}{b} for a$